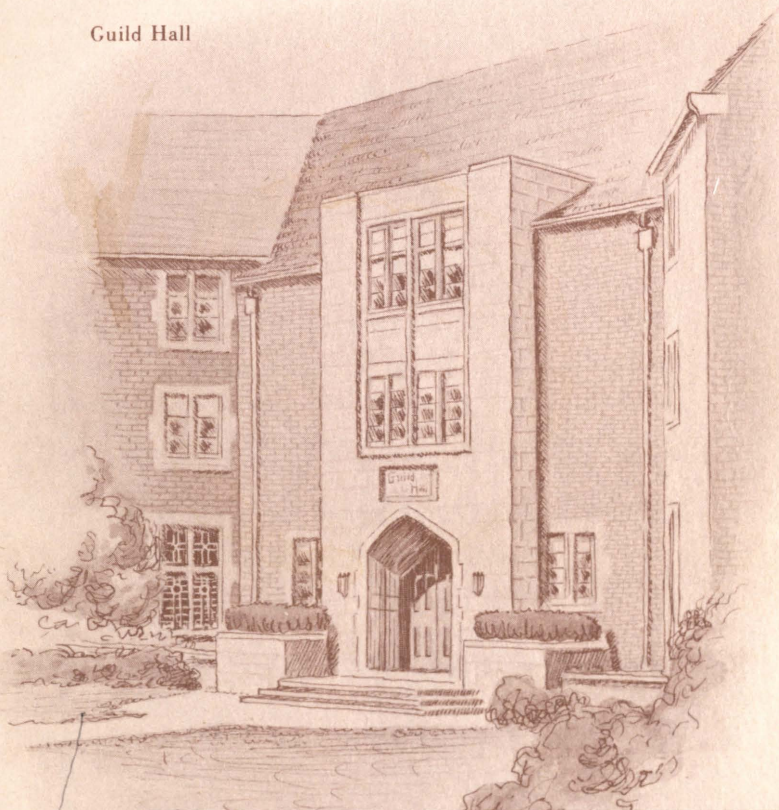


VALPARAISO UNIVERSITY BULLETIN

Guild Hall



ANNOUNCEMENTS FOR THE SESSIONS OF 1948-49

ANNUAL CATALOGUE FOR 1947-48



The Seal of Valparaiso University displays at its center the initial "V", out of which flourish the Wings of Freedom and the Torch of Learning. The point of the "V" rests upon a small reproduction of Luther's Coat of Arms, the insignie of the Lutheran Church.

On the scroll beneath the "V" are written the words of the thirty-sixth Psalm, which have become the motto of Valparaiso University: *In Luce Tua Videmus Lucem*: In Thy Light shall we see Light.

Circling the outer edge of the seal are the words "Valparaiso University" and the dates "1859-1925". The dates are those of the founding of the University and of its reorganization under Lutheran administration.

The official seal of Valparaiso University is most correctly displayed when it is reproduced in the University colors, seal brown and old gold.

Valparaiso University Bulletin



ANNOUNCEMENTS FOR THE SESSIONS
OF 1948-1949

CATALOGUE FOR THE
EIGHTY-FIFTH ACADEMIC YEAR
1947-1948

VOLUME XXII SEPTEMBER 1, 1948 NUMBER I

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RECOGNITION BY ACCREDITING AGENCIES

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The North Central Association of Colleges and Secondary Schools

The Association of American Law Schools

The Teacher Training and Licensing Commission of the Indiana State Board of Education with "Standard Accreditation"

The American Bar Association

The National Association of Schools of Social Administration

The Board of Regents of the University of the State of New York
(The College of Arts and Sciences; The School of Law)

The Committee on Admissions from Higher Institutions of the University of Illinois as class "A" in all departments of the College of Arts and Sciences

The Council of Medical Education and Hospitals of the American Medical Association for Pre-Medical Education

UNIVERSITY CALENDAR

SUMMER SESSION 1948

(Eight Weeks)

- 1948 *June 21, Monday, 8:00 A. M.* Registration of all students.
 June 22, Tuesday, 8:00 A. M. Instruction begins.
 July 4, Sunday. Independence Day, a holiday.
 July 5, Monday.
 August 13, Friday. Final examinations. Summer Session closes, 5:00 P.M.

FALL SEMESTER

- September 9, Thursday, 8:00 A. M.* Orientation week for freshmen begins.
 September 13, Monday, 8:00 A. M. Registration for freshmen.
 September 14, 15, Tuesday and Wednesday, 8:00 A. M. Registration for upperclassmen.
 September 16, Thursday, 7:00 A. M. Instruction begins.
 November 11, Thursday, 5:00 P. M. Mid-semester scholarship reports due.
 November 24, Wednesday, 12 M. Thanksgiving recess begins.
 November 29, Monday, 7:00 A. M. Thanksgiving recess ends.
 December 18, Saturday, 12 M. Christmas recess begins.
1949 *January 3, Monday, 7:00 A. M.* Christmas recess ends.
 January 22, Saturday, 7:00 A. M. Fall semester final examinations begin.
 January 28, Friday, 5:00 P. M. Fall semester final examinations end.

WINTER SEMESTER

- January 30, Sunday.* Orientation days for freshmen begin.
 January 31, Monday, 8:00 A. M. Registration for freshmen.
 February 1, 2, Tuesday and Wednesday, 8:00 A. M. Registration for upperclassmen.
 February 3, Thursday, 7:00 A. M. Instruction begins.
 March 31, Thursday, 5:00 P. M. Mid-semester scholarship reports due.
 April 12, Tuesday, 5:00 P. M. Easter recess begins.
 April 19, Tuesday, 7:00 A. M. Easter recess ends.
 May 28, Saturday, 7:00 A. M. Winter semester final examinations begin.
 June 3, Friday, 5:00 P. M. Winter semester final examinations end.
 June 5, Sunday. Seventy-fifth Annual Commencement.

SUMMER SESSION 1949

(Eight Weeks)

- June 13, Monday, 8:00 A. M.* Registration of all students.
 June 14, Tuesday, 8:00 A. M. Instruction begins.
 July 4, Monday. Independence Day, a holiday.
 August 5, Friday. Final examinations. Summer Session closes, 5:00 P.M.

Certain other dates are observed annually by the University with special convocations or special religious services; The Festival of the Reformation, October 31; Armistice Day, November 11; Lincoln's Birthday, February 12; Washington's Birthday, February 22; Ash Wednesday, March 2; Founders' Day, May 15; The Festival of the Ascension, May 26; Memorial Day, May 30.

CALENDAR

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SEPTEMBER S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	OCTOBER S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	NOVEMBER S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	DECEMBER S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

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CLERK, BUSINESS OFFICE	Grace Pfitzer
CLERK, BUSINESS OFFICE	Deloris Rittman, A.B.
CLERK, BUSINESS OFFICE	Ruth Roeske
CHIEF CLERK, PUBLIC RELATIONS	Maxine Rosenberg
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CHIEF CLERK, PUBLIC RELATIONS	Elda Scholle
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DIRECTOR, UNIVERSITY RESTAURANTS	Jennie Mae Trigg, B.S.H.E.
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CLERK, BUSINESS OFFICE	Margaret Zielke

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Faculty Representatives on Honor Council:

Professor Thomas; Associate Professor Wehling; Assistant Professor Moulton.

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Representing the Faculty:

Professor Morland, Associate Professors Goehring and Jox.

*The President of the University and the Dean of the Faculty are ex-officio members of all committees.

FACULTY *

OTTO PAUL KRETZMANN, S.T.M., LITT.D., D.D.

President

- NOAH STEINER AMSTUTZ, Sc.D. (Hon.), *Lecturer in Patent Law*
Member of Indiana Bar, Bar of the U. S. Supreme Court; Fellow, Royal Society of Arts. Valparaiso University (Sc.D., hon., 1947).
- **WILLARD NORTON ANDERSON, M.A., *Assistant Professor of Business and Economics*. University of California at Los Angeles (A.B., 1938). Graduate study, *ibid.* (M.A., 1940). C.P.A., State of Arizona (1942); State of Indiana (1944).
- HOWARD WILSON BAHR, A.B., *Instructor in English*
Oberlin College, Oberlin, Ohio (A.B., 1938). Graduate study at Ohio State University; Oberlin College.
- JOSEPH E. BALDWIN, M.A., *Part-time Instructor in Sociology*
Ohio Wesleyan University (B.A., 1930). Graduate study at State University of Iowa (M.A., 1933); the University of Chicago (M.A., 1937).
- † LOUIS FRANKLIN BARTELT, JR., A.B., LL.B., *Instructor in Law*
Valparaiso University (A.B., 1944; LL.B., 1947).
- EMORY G. BAUER, M.A., *Assistant Professor of Physical Education*
Valparaiso University (A.B., 1934); University of Colorado; Graduate study at University of Iowa (M.A., 1939).
- WALTER EMIL BAUER, Ph.D. *Dean of the Faculty, Dean of the College of Arts and Sciences, Professor of History and Government*
Concordia (Junior) College, Fort Wayne (Diploma, 1917); Concordia Theological Seminary (Diploma, 1921). Graduate study at University of Chicago; Columbia University (A.M., 1922); Harvard University; Cornell University (Ph.D., 1932).
- EMIL P. BEEC, *Part-time Instructor in Engineering*
Purdue University Extension; Indiana University Extension.
- †† ALICE RHODUS BENSEN, Ph.D., *Assistant Professor of English*
Central College; Randolph Macon Woman's College; Washington University (A.B., 1932). Graduate study, *ibid.* (M.A., 1933); LaSorbonne, Paris; The University of Chicago (Ph.D., 1943).
- VIRGIL EDWIN BERRY, LL.B., *Professor of Law*
Indiana University (LL.B., 1909).
- ¶ MARCEL ALFRED BICHSEL, M.S.M., *Assistant Professor of Music*
Concordia Collegiate Institute (Diploma, 1933); Concordia Theological Seminary (B.D., 1937). Graduate study at New York University; Union Theological Seminary (M.S.M., 1942); Juilliard School of Music; Eastman School of Music.
- STANLEY BIELECKY, *Instructor in Art*
The Minneapolis Institute of Art; The Art Institute of Chicago; Co-Director of the Mackinac Island Summer School of Art, 1940, 1941, 1942.
- WILLIAM WHILEY BLOOM, A.B., *Instructor in Biology*
Concordia Teachers College; Valparaiso University (A.B., 1939); The University of Chicago. Graduate study, *ibid.*
- HERTA LOUISE BOSSE, B.A., *Instructor in Foreign Languages*
Valparaiso University (B.A., 1946).
- KATHERINE ERTZ BOWDEN, B.S., *University Librarian with rank of Associate Professor*
Valparaiso University (B.S., 1897).
- †† MILO JESSE BOWMAN, LL.D., *Professor of Law, Dean Emeritus, School of Law*
Hanover College (A.B., 1896). Graduate study, *ibid.* (A.M., 1898). Indianapolis College of Law (LL.B., 1903). Hanover College (LL.D., 1922). Indiana University (LL.B., 1944).
- ERWIN JULIUS BULS, M.S., *Assistant Professor of Geography and Geology*
Concordia Teachers College (Diploma, 1927); Valparaiso University (A.B., 1937). Graduate study at University of Chicago (M.S., 1944).
- VERA ROSE BUSHING, B.A., *Assistant Librarian with rank of Instructor*
Valparaiso University (B.A., 1946).

* Summer Semester, 1947 to Winter Semester, 1947-1948, inclusive.

** Resigned August 15, 1947.

† Appointed February 9, 1948.

†† Resigned August 15, 1947.

¶ On leave of absence while studying in Europe.

†† Deceased, January 30, 1948.

- VIRGINIA PAUL BUSSE, B.A., *Instructor in English*
Valparaiso University (B.A., 1946).
- * KERMIT H. CARLSON, M.S., *Assistant Professor of Mathematics*
Upsala College (A.B.). Graduate study at State University of Iowa (M.S., 1941).
- HELEN MECHTLE COLE, M.A., *Instructor in Foreign Languages*
South Dakota School of Mines; University of Chicago (Ph.B., 1920). Graduate study, *ibid.* Middlebury College French School (M.A., 1932).
- LA NELLE SIEGEL COPP, M.A., *Instructor in Foreign Languages*
Little Rock Junior College (Diploma, 1942); Arkansas State Teachers College (B.S.E., 1944); University of Mexico; Graduate study at the University of Wisconsin (M.A., 1947).
- PALMER ARTHUR CZAMANSKE, Ph.B., *Assistant Professor of English*
Concordia Teachers College (Diploma, 1929). Valparaiso University; University of Chicago (Ph.B., 1931). Graduate study, *ibid.*
- LENTZ C. DE VOL, M.S., *Instructor in Mathematics and Physics*
Marietta College (A.B., 1935). Graduate study, *ibid.*; Graduate study at University of Cincinnati (M.S., 1939).
- ** HAROLD WILLIAM DIERSEN, M.S., *Instructor in Education*
Concordia Teachers College, River Forest (Diploma, 1939); Valparaiso University (A.B., 1940). Graduate study at Indiana University (M.S., 1947).
- MARIE LEERKAMP DIZER, M.S., *Instructor in Home Economics*
Ball State Teachers College (B.S., 1942). Graduate study at Purdue University (M.S., 1947).
- LOUISE EBEL, B.A., *Instructor in Biology*
Valparaiso University (B.A., 1947)
- AUSTYN R. EDWARDS, *Part-time Instructor in Music*
- FRANK ROY ELLIOTT, Ph.D., *Professor of Biology*
Earlham College (B.S., 1911). Graduate study, *ibid.* (M.A., 1912); University of Chicago; Ohio State University (Ph.D., 1929).
- LOREN E. ELLIS, B.S., *Assistant Professor of Physical Education and Director of Athletics*
Indiana State Teachers College (B.S., 1929). Graduate study at Indiana University; Butler University.
- ERHARDT H. ESSIG, M.A., *Assistant Professor of English*
Concordia (Junior) College, Fort Wayne (Diploma, 1932); Concordia Theological Seminary (Diploma, 1936). Graduate study at University of Texas (M.A., 1939); Indiana University Extension; University of Michigan; Northwestern University.
- DALL FIELDS, *Part-time Instructor in Music*
Cincinnati College of Music.
- ELISE ROSINA FISHER, A.B., *Instructor in Mathematics*
The George Washington University (A.B., 1942). Graduate study at Brown University.
- LAVINA MARY FRANCK, B.S., *Instructor in Home Economics*
University of Illinois (B.S., 1942); Chicago Art Institute.
- WALTER GEORGE FRIEDRICH, Ph.D., *Professor of English*
Indiana University (A.B., 1920). Graduate study at Columbia University (M.A., 1923); Johns Hopkins University (Ph.D., 1934).
- DANIEL R. GAHL, M.A., *Instructor in History and Government*
Valparaiso University (A.B., 1936). Graduate study at Northwestern University (M.A., 1947).
- ERWIN ELMER GOEHRING, M.A., *Associate Professor of Business and Economics*
Southeast Missouri State Teachers College; University of Missouri (B.S. in Bus. Adm., 1927). Graduate study at University of Chicago (M.A., 1938).
- CONSTANCE LOUISE GOERS, B.A., *Instructor in Foreign Languages*
Thornton Junior College (Diploma, 1945); Valparaiso University (B.A., 1947).
- JOHN L. GOLZ, M.M., *Instructor in Music*
Fontainebleau Conservatoire (Diploma, 1937). Eastman School of Music (B.M., 1942). Graduate study, *ibid.* (M.M., 1946).

* On leave of absence, September 1, 1947 to June 30, 1948.

** For period June 23, 1947 to August 15, 1947.

EVELYN ROSS GREENE, M.M., *Part-time Instructor in Music*

Ward-Belmont Junior College; Northwestern University (B.M.E., 1942).

Graduate study at American Conservatory of Music (M.M., 1943).

EGON GOTTHOLD GUBA, B.A., *Instructor in Mathematics and Physics*

Valparaiso University (B.A., 1947).

HAZEL TALLMAN GUILLAUMANT, M.A., *Associate Professor of Foreign Languages*

Montana State College (B.S., 1925). Graduate study at State University of Iowa (M.A., 1929); National University of Mexico; La Sorbonne, Paris, (Diploma, 1934).

ADOLPH THEODORE ESAIAS HAENTZSCHEL, Ph.D., *Professor of Philosophy and Sociology*

Concordia (Junior) College, St. Paul; Concordia (Junior) College, Milwaukee (Diploma, 1899); Concordia Theological Seminary (Diploma, 1903). Graduate study at University of Wisconsin (M.A., 1923; Ph.D., 1928).

DONALD HERMAN HAGE, M.B.A., *Instructor in Business and Economics*

University of Denver (B.S.C., 1943). Graduate study, *ibid.* (M.B.A., 1947).

VERA THERESE HAHN, Ph.D., *Assistant Professor of English and Director of Dramatics*

Progressive School of Music (Certificate, 1925); South Dakota State Teachers College; Stanford University (A.B., 1930). Graduate study, *ibid.* (M.A., 1931); Louisiana State University (Ph.D., 1939).

* CARL FREDERICK HALTER, M.M., *Part-time Instructor in Music*

Baldwin-Wallace Conservatory (B.M., 1941). Graduate study at Northwestern University (M.M., 1945).

HENRY WILLIAM HINCK, M.A., *Instructor in English*

St. Ambrose College (B.A., 1939). Graduate study at University of Iowa (M.A., 1947).

THEODORE HOELTY-NICKEL, *Professor of Music*

Concordia (Junior) College, Adelaide, Australia (Diploma, 1912); Concordia Theological Seminary, Adelaide (Diploma, 1915); Trinity College of Music, London (License, 1916); Leipzig Conservatory of Music (Diploma, 1927).

VICTOR F. HOFFMANN, JR., *Part-time Instructor in History and Government*

St. Paul's (Junior) College (Diploma, 1936); Concordia Theological Seminary (Diploma, 1940). Concordia Teachers College, Seward, Nebraska; York College; Graduate study at the University of Chicago.

* EUGENE CARL HUEBSCHMAN, M.Sc., *Instructor in Chemistry*

Concordia Teachers College, River Forest (B.S., 1941); Indiana University Extension, Fort Wayne. Graduate study at Purdue University (M.Sc., 1946). The University of Chicago; The University of Texas.

* OLGA AMELIA HVIZDAK, B. of P.S.M., *Part-time Instructor in Music*

Capital University (B. of P.S.M., 1944, Diploma in Piano). Valparaiso University Church Music Institute.

ALICE WINSTON JACOBS, A.B., *Instructor in English*

Central Missouri State College; University of Missouri (A.B., 1946).

GEORGIA T. JANZOW, M.B.A., *Instructor in Business and Economics*

The University of Chicago (A.B., 1944). Graduate study at The University of Chicago (M.B.A., 1945).

MARSHALL JOHN JOX, J.D., *Associate Professor of Law and Personnel Director*

Y.M.C.A. College, Chicago; Indiana University (A.B., 1928). Graduate study at University of Chicago (J.D., 1931).

RICHARD IVER KNUDSEN, M.A., *Instructor in English*

University of Minnesota (B.S., 1934). Graduate study at Augsburg Seminary (Diploma, 1937); University of Minnesota (M.A., 1946); The University of Chicago.

ERNEST BENJAMIN KOENKER, B.A., B.D., *Instructor in Religion*

Concordia (Junior) College, Fort Wayne (Diploma, 1941); Concordia Theological Seminary (B.A., 1943; B.D., 1946). Washington University; St. Louis University. Graduate study at The University of Chicago.

* For period June 23, 1947 to August 15, 1947

- LUTHER PAUL KOEPKE, M.A., *Instructor in Religion*
Concordia (Junior) College, Milwaukee, Wisconsin (Diploma, 1937); Concordia Theological Seminary (B.D., 1941). Valparaiso University (B.A., 1940). Graduate study at University of Texas (M.A., 1944). Chicago Lutheran Theological Seminary.
- CARL H. KREKELER, B.A., *Instructor in Biology*
St. John's (Junior) College (Diploma, 1939); Concordia Theological Seminary (B.A., 1941; Diploma, 1945); University of Kansas. Graduate study at Washington University; University of Arkansas.
- ARNOLD FRED KRENTZ, M.S., *Part-time Instructor in Religion*
Concordia (Junior) College, St. Paul (Diploma, 1916); Concordia Theological Seminary (Diploma, 1920); Wayne University. Graduate study at Indiana University (M.S., 1941).
- WILLIAM HENRY KROEGER, B. Mus. E., *Part-time Instructor in Music*
Augustana College (B. Mus. E., 1942). Graduate study at Chicago Musical College.
- ESTHER FOELBER KRUGER, B.A., *Part-time Instructor in Business and Economics*
Valparaiso University (B.A., 1945).
- FREDERICK KONRAD KRUGER, Ph.D., *Professor of Sociology*
Royal Humanistic Gymnasium, Germany (Diploma, 1907). Graduate study at University of Nebraska (M.A., 1909); University of Berlin; Tubingen, Germany (Ph.D., 1911). Columbia University.
- FRED W. KRUGER, B.S. in M.E., *Instructor in Engineering*
Valparaiso University; Purdue University (B.S. in M.E., 1947).
- HENRY H. KUMNICK, A.B., LL.B., *Professor of Religion*
Concordia (Junior) College, Milwaukee (Diploma, 1911); Concordia Theological Seminary (Diploma, 1914); State University of Montana (A.B., 1922; LL.B., 1924). Graduate study at University of Chicago.
- ROBERT J. KUSTER, B.S., *Instructor in Biology*
Adrian College (B.S., 1938). Wayne University; Graduate study at University of Michigan; University of Michigan Biological Station.
- RAYMOND GEORGE LARSON, Ph.D., *Assistant Professor of Chemistry*
University of North Dakota (B.S., 1931). Graduate study, *ibid.* (M.S., 1934); Purdue University (Ph.D., 1937); Cornell University; University of Minnesota.
- CARL FREDERICK LINDBERG, Ph.D., *Professor of Education and Psychology*
Luther College; Augustana College (A.B., 1914). Graduate study at Upper Iowa University; University of Nebraska; A. E. F. University, Beaune, France; University of Kansas (Ph.D., 1933).
- J. W. RICHARD LINDEMANN, A.M., *Assistant Professor of English*
Washburn College (A.B., 1923). Graduate study at Harvard University (A.M., 1927). University of Wisconsin.
- ALFRED H. L. MEYER, Ph.D., *Professor of Geography and Geology*
McKendree College; University of Illinois (A.B., 1921). Graduate study at University of Chicago; University of Illinois (A.M., 1923); Northwestern University; University of Michigan (Ph.D., 1934).
- MELVIN LEMONT MILLER, *Part-time Instructor in Engineering*
- WALTHER MARTIN MILLER, M.A., *Professor of Foreign Languages*
Concordia (Junior) College, Fort Wayne (Diploma, 1916); Concordia Theological Seminary (Diploma, 1919). Graduate study at Harvard University (M.A., 1922); The University of Chicago.
- WALTER ROBERT MILLER, *Part-time Instructor in Engineering*
- WALTER LEWIS MOLL, S.J.D., *Professor of Law*
Concordia College, Fort Wayne (A.B., 1898). Concordia Theological Seminary (Diploma, 1899). Johns Hopkins University; University of Berlin; University of Indiana (LL.B., 1923). Harvard Law School (S.J.D., 1924).
- HOWARD WILSON MOODY, Ph.D., *Professor of Engineering*
Cornell College (A.B., 1902). Graduate study at University of Chicago (Ph.D., 1912).
- LULU MARYIDA MOORE, M.A., *Instructor in English*
University of Wisconsin (B.A., 1943). Graduate study, *ibid.* (M.A., 1945).
- MILAN JAMES MORGAN, B.S., *Part-time Instructor in Engineering*

- JOHN WALLACE MORLAND, J.D., *Dean of the School of Law, Professor of Law*
Indiana State Normal College (Diploma, 1910); Indiana University (A.B., 1916; LL.B., 1917). Graduate study, *ibid.* (A.M., 1917); University of Chicago (J.D., 1922).
- THORA MARY MOULTON, M.A., *Assistant Professor of Foreign Languages*
Springfield Junior College (Mass.); Mount Holyoke College (B.A., 1942). Graduate study at the University of Chicago (M.A., 1944).
- MARIE MUNRO NORTH, B.A., *Part-time Instructor in Music*
Carthage College (B.A., 1931). Erie Conservatory of Music; Purdue University. Graduate study at Arthur Jordan Conservatory.
- ARMIN CHARLES OLDSEN, M.A., *Part-time Instructor in Religion*
Concordia (Junior) College, Milwaukee (Diploma, 1930); Concordia Theological Seminary (Diploma, 1934). Graduate study at Western Reserve University (M.A., 1935).
- LOIS MAE PALMER, B.S., in Physical Education, *Instructor in Physical Education*
University of Pittsburgh (B.S. in Physical Education, 1944).
- CLAUDE OWEN PAULEY, B.S., *Instructor in Mathematics*
Indiana State Teachers College; Indiana University; The University of Chicago (B.S., 1925). Graduate study, *ibid.*; Indiana University.
- JAROSLAV JAN PELIKAN, Ph.D., *Instructor in History*
Concordia (Junior) College, Fort Wayne (Diploma, 1942). Concordia Theological Seminary (A.B., 1944; B.D., 1946). Graduate study at Washington University; Divinity School, University of Chicago (Ph.D., 1946).
- FLORENCE GRACE PETERSON, M.M., *Part-time Instructor in Music*
American Conservatory of Music (B.M., 1944). Graduate study, *ibid.* (M.M., 1945). Central YMCA College; DePaul University.
- ARLEEN W. PETING, A.B., *Instructor in Mathematics*
Woman's College of The University of North Carolina (A.B., 1945).
- G. WARREN PHILLIPS, M.S., *Part-time Instructor in Education and Assistant Director of Practice Teaching*
DePauw University (A.B., 1930). Graduate study at Indiana University (M.S., 1935); Purdue University; Indiana State Teachers College.
- KENNETH E. PIFER, *Part-time Instructor in Engineering*
- EUNICE ADELINE POLLEX, *Instructor in Music*
Stratford Normal School, Stratford, Ontario (Diploma, 1944). Toronto Conservatory of Music (Diploma, 1945).
- NEWMAN WILSON POWELL, M.M., *Assistant Professor of Music*
Ohio University (B.F.A., 1942). Graduate study, *ibid.*; American Conservatory of Music (M.M., 1944).
- HENRY WILLIAM PRAHL, B.S., *Instructor in English*
Concordia Teachers College, River Forest (Diploma, 1938). Central Michigan College of Education (B.S., 1944). Graduate study at University of Michigan.
- RUTH HORN PREUSSER, M.M., *Instructor in Music*
William Woods Junior College (A.F.A., 1940). University of Wisconsin (B.M., 1942). Graduate study, *ibid.*; American Conservatory of Music (M.M., 1945). Piano study with Egon Petri.
- VERNER JOHN RAELOSON, B.A., LL.B., *Instructor in Mathematics and Physics*
Valparaiso University (B.A., 1940; LL.B., 1942). Graduate study at The University of Chicago.
- JEANNE E. RAHN, A.B., *Instructor in Foreign Languages*
James Millikin University; Carthage College (A.B., 1943).
- ELIZABETH ANNA MARIE RECHENBERG, A.M., *Instructor Emerita in Foreign Languages*
Valparaiso University (A.B., 1921). Graduate study at Indiana University (A.M., 1929).
- RUTH BEATRICE REED, M.A., *Instructor in Foreign Languages*
West Texas State Teachers College, (A.B., 1930). Graduate study at University of Texas (M.A., 1936). University of Texas; Trinity University; San Carlos University.
- GEORGE WILLIAM REUSS, B.S. in E.E., *Instructor in Engineering*
University of Virginia (B.S. in E.E.).

- *THOMAS E. REYNOLDS, Ph.D., *Visiting Assistant Professor of Chemistry*
St. Louis University (A.B., 1912). Graduate study, *ibid.* (M.A., 1917);
University of California; St. Louis University (Ph.D., 1935).
- CARL HENRY SACHTLEBEN, B.S. in L.S., *Assistant Librarian with rank of Instructor*
Valparaiso University (A.B., 1941). Western Reserve University (B.S. in L.S.,
1947).
- JAMES SCHULTZ SAVAGE, LL.B., *Instructor in Law*
Indiana University; Valparaiso University (LL.B., 1938).
- FRIEDA A. SCHENCK, M.A., *Instructor in Foreign Languages*
Indiana State Teachers College; University of Minnesota; University of Chi-
cago (Ph.B., 1923). Graduate study at University of Chicago (M.A., 1933).
University of Chicago.
- RALPH EUGENE SCHENCK, M.A., *Part-time Instructor in History and Government*
Indiana State Teachers College (A.B., 1917). Valparaiso University (Diploma,
1919). Graduate study at The University of Chicago (M.A., 1927).
- RICHARD SCHOENBOHM, M. M., *Associate Professor of Music*
Wartburg College; Theological Seminary, Dubuque; Iowa State Teachers
College; Michigan State Normal (A.B., B.S., 1930); Institute of Musical Art,
Detroit; Graduate study at American Conservatory of Music (M.M., 1944).
Deutsches Musikinstitut für Ausländer, Berlin.
- **THEODORE CARL SCHWAN, A.B., *Instructor in Chemistry*
Valparaiso University (A.B., 1941). Graduate study at The University of
Notre Dame.
- DANA B. SCHWANHOLT, M.S., *Assistant Professor of Education and Psychology*
Indiana University (A.B., 1929). Graduate study, *ibid.* (M.S., 1934). Indiana
University.
- ALBERT FRANK SCRIBNER, M.A., *Registrar-Business Manager with rank of Professor,*
Secretary of the Faculty, Secretary of the University Senate
Valparaiso University (A.B., 1931). Graduate study at University of Kentucky
(M.A., 1937).
- GLEN FRANKLIN SCRIVNOR, M.S., *Instructor in Physical Education, Assistant*
Director of Athletics
Purdue University (B.P.E., 1937). Graduate study at Massachusetts State
College (M.S., 1938), Purdue University.
- FRITZI SIEBACH, *Part-time Instructor in Music*
Chicago Musical College; State Conservatory, Leipzig, Germany (Diploma,
1925). Chicago Conservatory.
- JOHN JOSEPH STOKES, JR., B.A., *Instructor in Chemistry*
Amherst College (B.A., 1941). University of Connecticut. Graduate study
at Ohio State University; University of Pittsburgh; University of Notre Dame.
- † JAMES HAYDEN STONER, M.B.A., *Instructor in Business and Economics*
Valparaiso University; The University of Chicago (A.B., 1940). Graduate
study, *ibid.* (M.B.A., 1947).
- JOHN HENRY STRIETELMEIER, M.A., *Instructor in Geography and Geology*
Valparaiso University (A.B., 1942). Graduate study at Northwestern Univer-
sity (M.A., 1947).
- JESSIE EMILY SWANSON, A.B., *Instructor in Mathematics*
Valparaiso University (A.B., 1941). Graduate study at the University of
Chicago.
- ROBERT G. TANK, Ph.B., *Part-time Instructor in Business and Economics*
University of Wisconsin (Ph.B., 1943); Valparaiso University. Graduate study
at The University of Chicago.
- ANCIL RIDGEWAY THOMAS, Ph.D., *Professor of Mathematics and Physics*
Earlham College (B.S., 1925); Marion College. Graduate study at Washing-
ton University (M.S., 1926; Ph.D., 1930); Illinois Institute of Technology.
- WALTER EUGENE THRUN, Ph.D., *Professor of Chemistry*
Northwestern College; University of Michigan (A.B., 1912). Graduate study,
ibid. (M.S., 1914); University of Missouri (Ph.D., 1917); Johns Hopkins
University, (Fellow, 1919).

* Resigned, May 1, 1948.

** Appointed February 9, 1948.

† Appointed February 21, 1948.

- MOSES WALTER UBAN, A.B., B.S. in M.E., *Professor of Engineering*
Valparaiso University (A.B., 1922; B.S. in M.E., 1932). Graduate study at University of Chicago.
- †† DOROTHY LOUISE ULRICH, B.S., *Part-time Instructor in Physical Education*
Linfield College; University of Oregon (B.S., 1943).
- HERBERT H. UMBACH, Ph.D., *Professor of English*
Concordia (Junior) College, Fort Wayne (Diploma, 1926); Concordia Theological Seminary (B.D., 1929). Graduate study at Washington University (M.A., 1930); Cornell University (Ph.D., 1934).
- † RAYMOND L. UNDERWOOD, B.A., *Instructor in English*
Michigan State College; Western Michigan College (B.A., 1946). Graduate study at University of Iowa.
- RUDOLPH C. WALDSCHMIDT, A.B., *Instructor in Education and Psychology*
Concordia Teachers College (Diploma, 1931); Valparaiso University (A.B., 1936). Graduate study at The University of Chicago.
- DONALD LEROY WARNKE, A.B., *Instructor in Physical Education*
Western State College of Colorado; St. Mary's University; Valparaiso University (A.B., 1944). Graduate study at Indiana University.
- LOUISE WATSON, M.A., *Assistant Professor of Physical Education*
Boise Junior College; University of Oregon (A.B., 1938). Graduate study at University of Illinois (M.A., 1943); State University of Iowa.
- LOUIS ALBERT WEHLING, A.M., J.D., *Associate Professor of Government*
University of Illinois (A.B., 1932); University of Arizona. Graduate study at University of Chicago (J.D., 1935); University of Southern California (A.M., 1940); Harvard University; University of North Carolina.
- RICHARD WILLIAM WIENHORST, B.A., *Instructor in Music*
Valparaiso University (B.A., 1942). Graduate study at American Conservatory of Music.
- ADOLPH WISMAR, Ph.D., *Professor of Religion*
Concordia (Junior) College, Milwaukee (Diploma, 1903). Concordia Theological Seminary (Diploma, 1906). Graduate study at Columbia University (Ph.D., 1927).
- MYERS E. ZIMMERMAN, A.B., *Assistant Professor of Shorthand and Typewriting*
Valparaiso University (A.B., 1921).

CRITIC TEACHERS

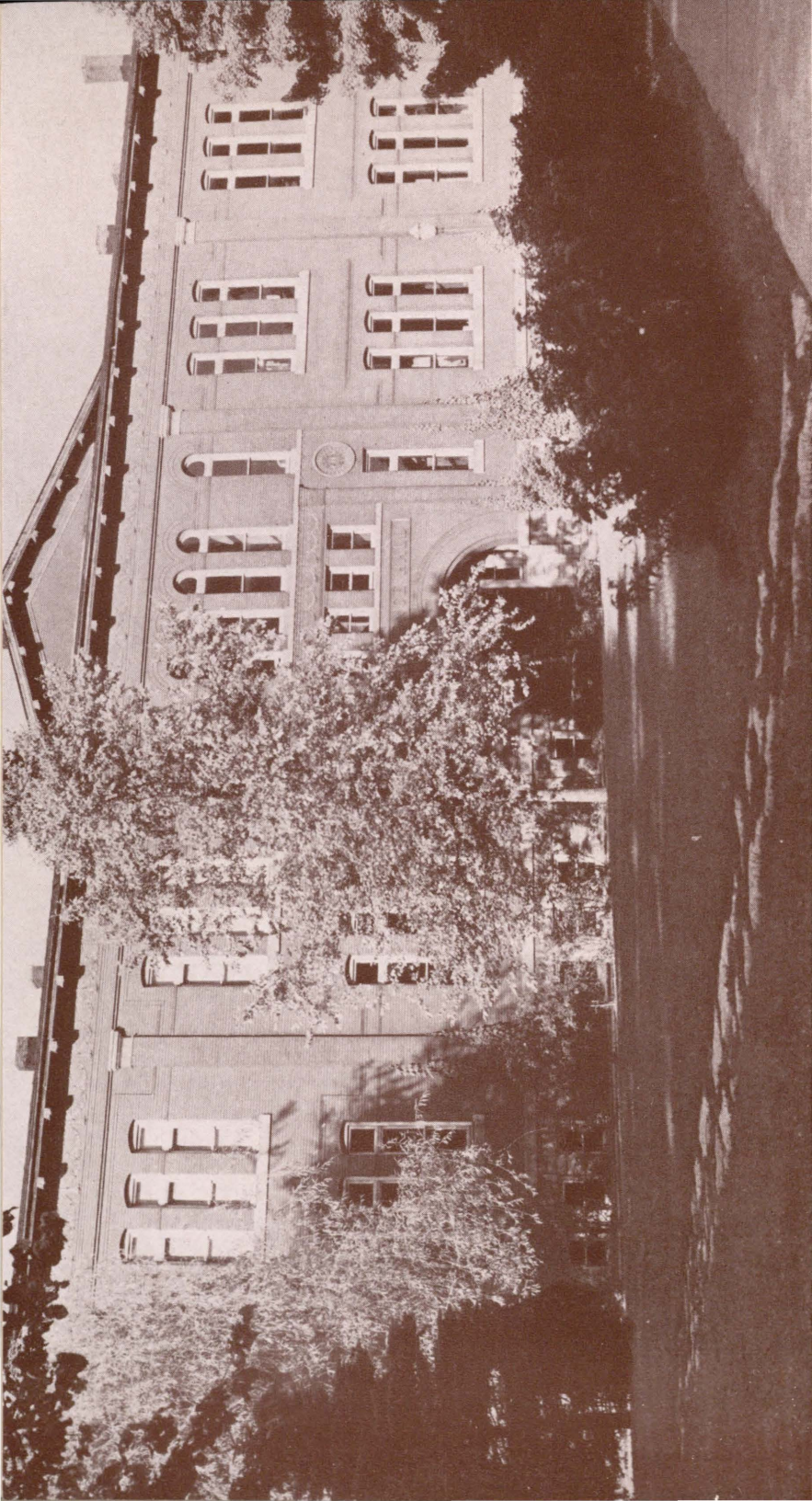
BURTON CONKLING, M.A.	English
LILLIAN ELMORE, A.B.	Spanish
DOROTHY EVERLY, B.S.	Home Economics
GLEN FISHER, A.B.	Biology
ALFRED L. HENKEL, A.B.	Social Studies
DESSA HUDSON, M.A.	Commerce
WENDELL M. KING, B.S.	Mathematics
JOHN M. KOCH, M.A.	Social Studies
CLARE MCGILLICUDDY, A.B.	Mathematics
ANITA MORLAND, A.B.	English
WILLIAM T. NIMROTH, A.B.	Biology
RICHARD F. POLK, M.S.	Physical Education
FRANK G. REID, B.S.	Social Studies
HAROLD L. ROGERS, M.A.	Music
MARY JO ROGERS, B.S.	Physical Education
RALPH E. SCHENCK, M.A.	Social Studies
AUDREY SHAUER, M.A.	English
MILLICENT SKINKLE, B.P.S.M.	Music
MARY EDNA STONER, M.A.	English
KING TELLE, M.S.	Social Studies and Physical Education
MARTHA LEE VARNER, B.S.	Mathematics
EDITH WEEMS, M.S.	Home Economics
JOHN E. WIGGINS, B.S.	Physical Education
EARL Z. WIRTH, M.A.	Commerce

†† Appointed February 9, 1948.

† Resigned February 6, 1948.



Spring: Lembke Hall, Men's Residence



Summer: Science Hall



Fall: View Across South Campus from Student Bridge



Winter: The Auditorium Building and Commerce Building



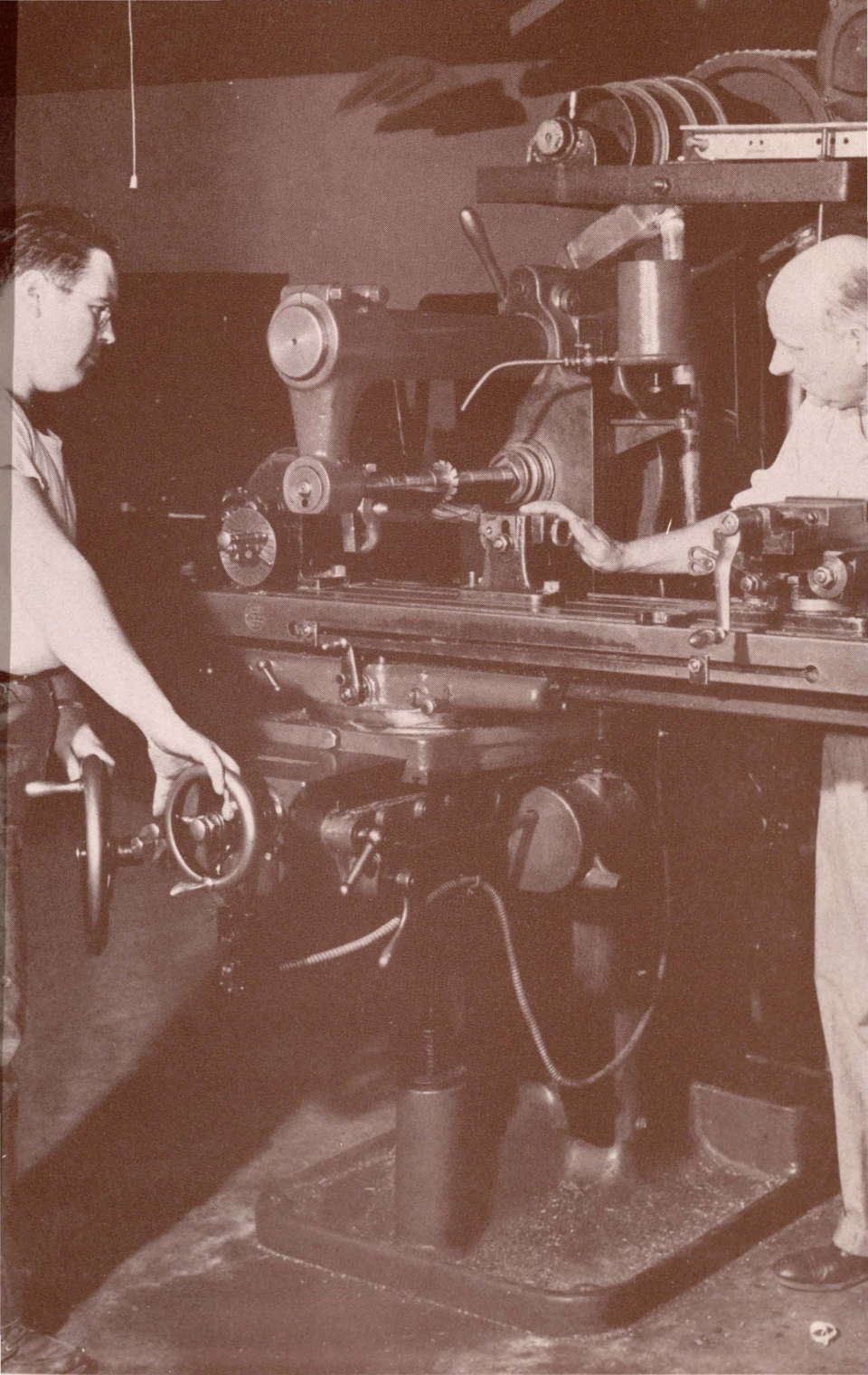
The Health and Physical Education Building



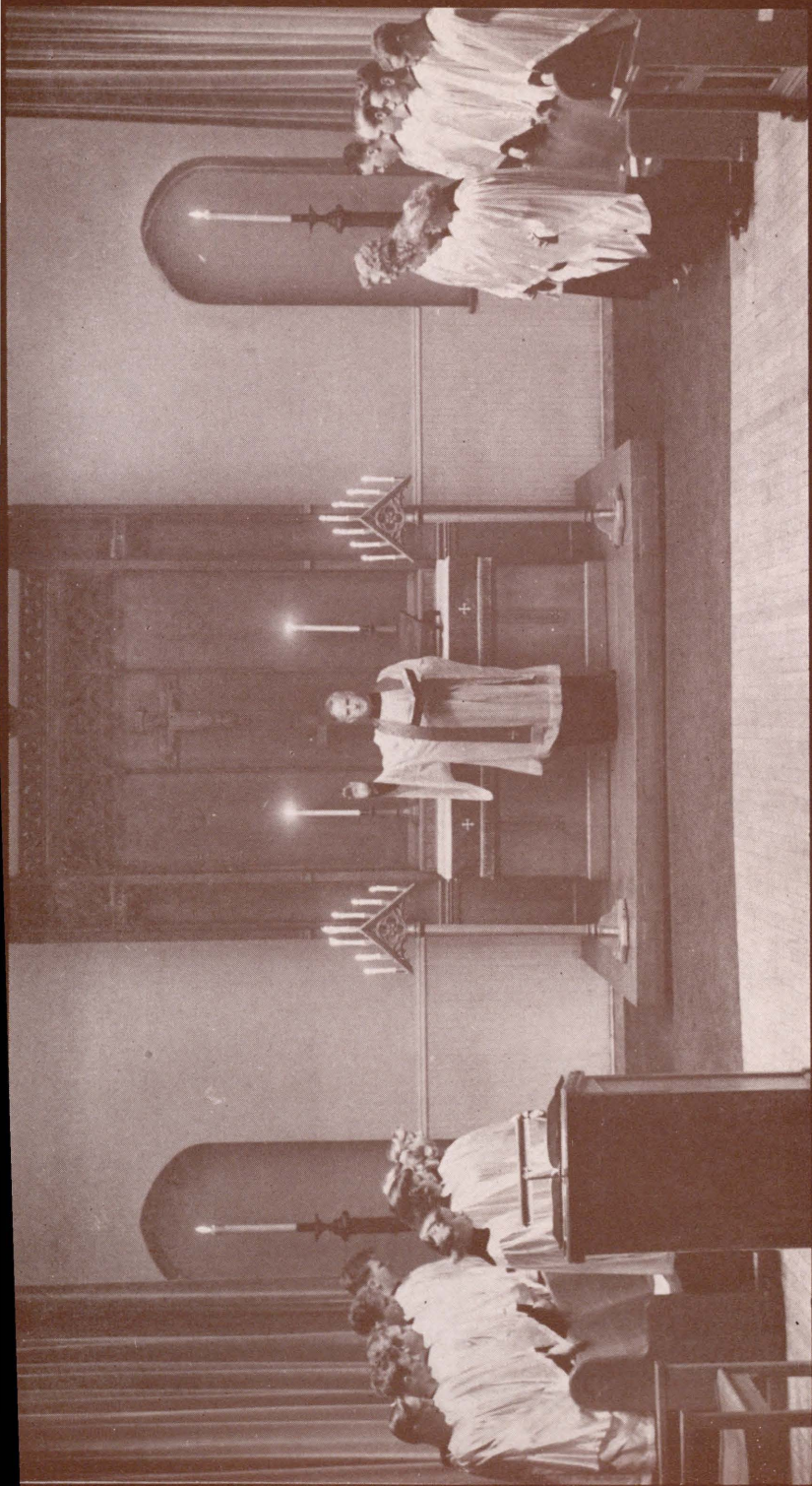
Court Session in the School of Law



Anatomy Laboratory, Training for Pre-Medical Students



Mechanical Engineering Laboratory



Matins

HISTORY

The history of Valparaiso University begins in the days before the Civil War. On September 21, 1859, the Valparaiso Male and Female College was opened at Valparaiso, Indiana. The fact that it was a co-educational institution at a time when women were rarely admitted to college marked it as a pioneer from the start. The college prospered at first, but reverses resulting from the Civil War caused classes to be suspended in 1869.

On September 16, 1873, the college was reopened as the Northern Indiana Normal School and Business Institute by Henry Baker Brown, who was joined in 1881 by Oliver Perry Kinsey. The School of Law was organized and added to the institution in 1879 by the Hon. Mark L. De Motte. Under the leadership of these men, the institution grew rapidly in size and influence. In 1900 its name was changed to Valparaiso College, and in 1907 to Valparaiso University.

Two fundamental principles molded the character of Valparaiso University during this phase of its history. On the one hand, its administrators carried out its ideal of service to youth by providing useful training at any level from elementary schooling on up, and by making vocational or liberal arts education financially available to every worthy student who applied. Secondly, character training, through personal interest and contact of the faculty and administration with the individual student, was as much an aim of the University as the imparting of facts and skills. The pioneering spirit of the early Valparaiso University and its worthy ideals have become a part of its character today.

A new chapter in the history of Valparaiso University was begun in the summer of 1925, when the University was purchased by the Lutheran University Association. This association, an Indiana corporation composed of men and women affiliated with the Evangelical Lutheran Synodical Conference of North America, now owns and controls the University. The past quarter century of development has made Valparaiso a medium sized institution, capable of educating several thousand students each year and of playing a responsible role in the Church and community life of twentieth century America.

OBJECTIVES

It is the purpose of Valparaiso University to serve young men and women by offering them a thorough general, advanced, or special education in such fields of learning as its facilities permit, within an environment which will deepen their Christian consciousness and promote their spiritual growth.

Valparaiso University today represents the endeavor of members of the Lutheran Church to apply to higher education — its content, techniques, and objectives — the principles of Christianity as set forth in the Sacred Scriptures.

Valparaiso University strives to provide for its students a training which conforms to the best standards of modern higher education. The specific needs and abilities of the individual student are the center of attention. Through personal contact with faculty members the student is assisted in making a selection of courses. He is guided toward both broad acquaintance with the fields of knowledge and deep understanding in the field of his specialization. The curricula are designed to develop in him sound judgment, logical thinking, and clear expression of thought. In his courses he also receives training in the vocation or profession of his choice.

Valparaiso University recognizes its obligation to foster scholarship in a Christian frame of reference, and therefore encourages the private studies of its faculty. A sabbatical system has been inaugurated as a step toward this objective.

The responsibility of Valparaiso University is directed not only toward its student body, but to the Church which supports it and to the society in which it exists. These responsibilities are fulfilled when, by means of systematic scholarship, light is shed upon the problems of the Church in its secular relations, and when the graduates of Valparaiso become effective workers in the local parishes, in the institutions of the Church and in the worthy endeavors of our civilization.

The process of clarifying these ideals and of bringing them into reality is undergoing constant development as new needs of the individual, society, and the Church are defined and as new discoveries are made to cope with these needs. Valparaiso University is dedicated to the course outlined in its motto: "In Thy light shall we see light."

LOCATION

Valparaiso, Indiana, the seat of the University, is forty-four miles southeast of Chicago. It is a residential city of over ten thousand inhabitants. Porter County, of which it is the county seat, is a prosperous agricultural region adjoining the industrial communities of the Calumet District. The Lincoln Highway and three railroads, the Pennsylvania, the Grand Trunk, and the Nickel Plate, pass through Valparaiso.

The location of Valparaiso offers many advantages. Students of geology, botany, and zoology profit by the fact that the city is situated on the crest of the Valparaiso Terminal Moraine and that it is within a few miles of the Indiana Dunes, Lake Michigan, and the marshes of the Kankakee River region. Students of the sciences, both physical and social, and of commercial studies find the nearness of the great Calumet Industrial District and of Chicago a great advantage. Field trips and inspection trips form a regular part of the course of study in several departments.

Since Chicago can be reached in less than an hour by railroad, many students also take advantage of the cultural opportunities offered by the great libraries, museums, art galleries, and concert halls of that city.

Students interested in outdoor life find the small lakes, nearby, and Lake Michigan, which is only twelve miles away, a great advantage.

THE CAMPUS

The original forty-six acre campus of Valparaiso University has been increased in the past decade by the purchase of adjacent property. The removal of several streets and a program of landscaping has added to the attractiveness of the site. A total of fifty-four instructional and residential buildings are located on the properties of the University. The value of the property has been greatly enhanced in the past five years by means of extensive renovation and improvement. Buildings and grounds on the total one hundred and fifty-two acre plant are valued at over three and one-half million dollars.

The original tract is now known as West Campus to distinguish it from the newer East Campus acquired in 1944 as part of the long range plan of development inaugurated by the University Board of Directors.

The East Campus consists of one hundred and sixteen acres of land located on the southeastern boundary of the city of Valparaiso and about one-half mile from the present campus. The new site is bounded on the south by dual-lane U. S. 30, on the east by Indiana Highway 49, and on the north by La Porte Road. Construction of the future Valparaiso University is progressing rapidly on East Campus.

WEST CAMPUS

The instructional plant of Valparaiso University includes the following buildings:

1. *Arts-Law Building* is a four-story brick structure just inside the main campus entrance. The ground floor contains the lecture room, laboratory and office of the Department of Geography and Geology. The second floor is devoted to the lecture rooms, library and offices of the School of Law. The Departments of Foreign Languages, Business and Economics, Religion, History and Government share the classrooms and offices of the other floors.

2. *Arts-Law Annex*, a former residence, was remodeled to provide lecture and seminar rooms for small classes, and to provide for a number of departmental offices.

3. *Auditorium Building* is a landmark of the old University. On the lower floor are located the offices of the Registrar and Business Manager, two classrooms, and the dramatics studio. On the upper floor is a large auditorium with a seating capacity of about eleven hundred.

It is used for the daily chapel services and for the lectures and entertainments of the school year.

The stage and lighting system have been remodeled, providing the dramatic activity with a complete range of up-to-date production facilities.

The organ, rebuilt recently, has been pronounced by experts as an instrument of unusual possibilities.

4. *Biology Building* is a two-story brick structure containing the classrooms and laboratories for instruction in biology, botany, zoology and pre-medical courses.

5. *The Book Store* is the campus center for books and supplies. On the second floor is located the sewing laboratory of the Department of Home Economics.

6. *Commerce Building*, the former location of commercial classes, has been converted into offices for the Department of Public Relations on the first floor and, on the upper floors, seminar rooms and offices for the Department of Geography and Geology.

7. *Engineering Building* houses offices and classrooms of the Department of Engineering. In addition one floor has been allocated to the local United States Naval Reserve Unit for instruction and communications operations. The Foundry is in an adjacent wing.

8. *Engineering Annex Building*, completed in 1946, is a modern one-story structure housing the shop laboratories. It contains modern shop machinery recently acquired.

9. *Greenwich Group*, a complex of one-story frame structures, was recently erected to provide additional classroom space for about 500 students. Two spacious chemistry laboratories are located in one wing.

10. *The Health and Physical Education Building* is a modern brick structure located on property adjacent to East Campus. It contains a large gymnasium, offices of the Director of Athletics for men and the Director of Sports for women, team rooms, a large lounge room, locker and shower rooms.

11. *The University Library Building* is centrally located. It contains the books and periodicals for all departments of the University except those of the School of Law. A new wing, recently completed, provides an enlarged reading room, faculty offices, and seminar rooms as well as additional stack facilities.

12. *The Matilda Heldt Home Economics Laboratory* is a one-story frame house containing two model kitchens, a living room, dining room, and office for the head of the Home Economics Department.

13. *Music Hall* contains administrative offices on the first floor and studios and classrooms of the Music Department on the two upper

floors. Recital Hall, on the third floor, is used for small musical events and meetings of all kinds.

14. *Science Hall* is a two-story brick building with large laboratories for chemistry and physics in the basement. Classrooms and other laboratories are provided for students of physics, mathematics, chemistry, education, psychology, and art. The art studio is located on the top floor.

A number of residence halls and service buildings are located on or near the West Campus of Valparaiso University. These include:

1. *Altruria Hall*, a residence hall for 125 women.
2. *The Cafeteria*, a large one-story frame building erected in 1947. It provides the most modern of kitchen and serving equipment and a tastefully decorated dining room for the serving of 1900 meals a day.
3. *Dodge Hall*, a former instructional building completely remodeled to house 90 women.
4. *The Team House* is located adjacent to the football field, track, tennis courts. The locker rooms and group shower facilities are made available to visiting athletic teams and for the intra-mural activities of the Department of Athletics.
5. *The Health Service Building*, a fine large residence converted into quarters for the University nurses, offices for the University Physicians, medical laboratories, X-ray rooms and wards for men and women.
6. *Lembke Hall*, a residence dormitory for men. It has been completely renovated and can house about 150 students.
7. *The Shanty*, a smaller restaurant operated by the Director of University Restaurants for additional eating facilities.
8. *Stiles Hall*, with a long history as a privately managed student residence, was purchased by the University in 1946 and renovated and fitted with a number of apartments for students, faculty and administrative personnel.
9. *The Student Council Building*, a one-story structure containing the assembly rooms for the Student Council and offices for the heads of student government. Headquarters for the "Torch" and *The Beacon*, student publications, are also located here.
10. *The Trailer Court* accommodates fifteen small families of veteran students. Although the trailers are a temporary housing measure, they have been in use for several years. They have been fitted by the University for comfortable year-round living.
11. *The Youth Council Building*, a frame structure, was converted by students into a recreation center for children of the community.

A number of additional faculty and student residences in the city are part of the total property of Valparaiso University.

EAST CAMPUS

Plans for a complete new Valparaiso University campus, a future center of Lutheran higher learning, have been drawn up by authority of the Board of Directors. All new buildings are being constructed on East Campus according to the master plan and architectural scheme designated by the Board. Already completed are Guild and Memorial Halls, residences for 250 women students.

Of modified Gothic architecture and constructed of brick and Indiana limestone trim in 1947, the two L-shaped buildings are placed around a square landscaped central court. The structures contain single, double, and triple student rooms, prayer chapels, directors' suites, lounges, utility and recreation rooms and a large restaurant. Many of the rooms in the two halls are memorials presented by individuals or organizations.

Temporary residence halls for about two hundred veterans have been set up on the East Campus. The three structures are of frame barracks type. They will be replaced by permanent construction some time in the future.

Three engineering laboratories are under construction on the new campus. These buildings were designed, planned and built by engineering students during the summer of 1948. Later additions will provide laboratories, classrooms and departmental offices for the four-year curricula to be offered in the newly created School of Engineering.

The Board of Directors has also authorized the construction of a University Library building. Funds for a new University Chapel are being gathered by the five thousand members of the Valparaiso University Guild, women's auxiliary. This chapel will be a part of a larger campus church.

Additional financial preparations are being made by the Alumni Association for a large Field House, and by the national Lutheran Laymen's League for a Memorial Classroom-Administration Building. Construction of this unit will begin when the goal of one-half million dollars is reached.

EXPENSES

TUITION AND FEES

REGULAR TUITION AND FEES — Tuition costs \$125.00 each semester. General fees amount to \$10.00 each semester.

The general fee paid by all students except part-time students registered for no more than six semester credits and auditors is used to defray in part the cost of the University library, the program of intra-mural and inter-collegiate athletics and the bringing in of lecturers at student convocations. Registered students who pay the general fee are admitted without charge to all activities sponsored by the University and included in the general fee.

A health fee of \$3.50 per semester is charged each student for health service.

Laboratory fees are charged in some departments and are listed under the respective courses. All students enrolling for laboratory courses are financially responsible for breakage or damage to equipment. Instructors report such damage to the Business Office and the student or the parent is billed for the cost of repair or replacement.

APPLIED MUSIC FEES — The University encourages students to continue applied music instruction by charging modest fees for private lessons.

Seventeen thirty-minute private lessons in applied music may be taken for \$35.00 per semester. Rental of a private practice room with piano for one daily practice hour is \$10.00 per semester; without a piano, \$3.00 each semester. For each additional hour a charge of \$7.50 is made per semester. A charge of \$25.00 per semester is made for use of a practice organ. A few orchestral instruments are available at a rental fee of \$10.00 per semester and a deposit fee of \$5.00. The deposit fee is refunded, less any damage expense to the instrument, at the end of the semester.

Students taking private music lessons are held responsible for making arrangements with the instructor to complete all lessons during the semester. If the student is unable to complete within the semester the series of lessons for which he was assessed, a report should be made immediately to the Business Office by the student.

TUITION AND FEES FOR PART-TIME STUDENTS—Students who register for no more than 9 credit hours are classified as part-time students.

Students who register for from 7 to 9 credit hours pay a tuition charge of \$8.00 per credit hour in addition to the regular general fees, Student Council fees, and health fee.

Students who register for no more than 6 credit hours pay a tuition charge of \$8.00 per credit hour. In addition, they pay a library fee of \$3.50 per semester and a health fee of \$1.50 per semester. This health fee is used for the general health program of the University. It entitles the students to an examination upon entrance, but it does not entitle them to any medical service. Students who register for no more than 6 credit hours do not pay the Student Council fees.

Auditors pay \$8.00 per credit hour equivalent.

Students enrolling for the following courses in secretarial training pay the following semester fees: Typewriting, \$40.00; Stenography, \$40.00; Typewriting and Stenography, \$70.00. No additional University or Student Council fees will be required of students enrolling for one or both of the courses listed above.

SUMMER SESSION 1948 TUITION AND FEES

Matriculation	\$ 5.00
Tuition	62.50
Tuition: 3½ to 4½ hours	\$8.00 per semester credit hour
(Full general and health fees)	
Tuition: 3 hours or less	\$ 8.00 per semester credit hour
(\$1.75 library fee and \$1.00 health fee)	
Auditor	8.00 per semester credit hour
General Fees	\$ 5.00
Health Fee	1.75
Dormitory Fee50
**Private Music Lessons (Organ, Piano and Voice)	
.....\$35.00 for 17 30-minute lessons	
Practice Room:	
**For two hours daily, with piano	\$10.00
**For two hours daily, without piano	3.00
**For two hours daily, with organ	25.00
Instrument Rental	10.00
Instrument Deposit	5.00

BOARD

The University operates dining facilities for the convenience of its students. At the present time, about 1,900 meals per day are served, both cafeteria and restaurant style.

The operation of all University eating places is under the direct supervision of an experienced and trained dietician who acts as Director of University Restaurants. The University provides the best possible food service at prices consistent with present day food costs.

Students are not required to contract for meals in University restaurants. These units are operated on a cash basis and students should come prepared to pay for meals in cash wherever they choose to eat. The University does not make provision for remitting bills for board to parents or students. For purposes of calculation of student costs only, the average student should make provision for a food cost of approximately \$10.00 per week.

ROOMS

The University maintains four residence halls for women students and four dormitories for men.

Altruria Hall is primarily for freshmen women students. It has a large reception room, a few two-room suites, and a number of rooms for two students.

Dodge Hall, accommodating approximately ninety students is a modernized two-story structure for women.

**Charge one-half if registered for one-half the number of lessons.

Guild Hall and Memorial Hall located on the new campus area provide space for two hundred fifty women students. Most rooms accommodate two students and a few rooms three students. These buildings also include lounge rooms, recreation space, and provision for a dining room to be installed later.

Lembke Hall is a dormitory for about one hundred fifty men and consists of a large lounge and recreation room, double room suites for two and three students and a few single rooms.

Dormitories for veterans consist of three separate buildings grouped close to each other and adjacent to Guild Hall on the new campus. Approximately two hundred men, especially veterans, can be accommodated.

University House Dormitories. The University has purchased a number of large dwelling houses that have been converted to residence halls for men. The accommodations obviously vary, but in general are comfortable quarters comparable to the space in the larger dormitories.

All rooms in the University dormitories are provided with the necessary furniture. Occupants supply their own bedding, pillows, towels, lamps and floor coverings. Guild Hall and Memorial Hall are equipped with drapes on all student room windows. Drapes or curtains must be furnished by students who reside in other university dormitories and residence halls.

Initial room assignments are made by the Business Office under the direction of the University Administration.

All men of the freshman class who do not reside in University-operated dormitories or houses or with their parents in or near Valparaiso are required to room in approved University residence houses. All women who do not live at home or in sorority houses approved by the University must establish their residence in one of the University residence halls or houses. If accommodations are not available in the dormitories, students reside in homes approved by the University.

The University residence halls are under the care of resident directors.

Rooms in the University's halls and houses may be had at rates ranging from \$55.00 to \$70.00 per semester.

All students residing in University-owned dormitories, residence halls, and houses are financially responsible for damage to rooms and equipment. Dormitory directors report such damage to the Business Office and the student or the parent is billed for the cost of repair or replacement.

ADVANCE ROOM DEPOSIT

All new students for whom the University can provide housing in its own dormitories and who desire such accommodations are required to

make an advance room deposit of \$25.00 shortly after receiving notification that they will be admitted.

All students in residence for whom the University can provide housing in its own dormitories, and who desire such accommodations for the following semester are required to make an advance room deposit of \$15.00 on or before *November 1, 1948* for the Winter Semester 1948-1949, and on or before *April 15, 1949* for the Fall Semester, 1949-1950. Students entering the University during the Summer Session 1949 are required to make this deposit by *July 15, 1949* for the Fall Semester 1949-1950. No deposit is required for the Summer Session, 1949.

Students who occupy rooms in University dormitories during the semester for which the room deposit has been paid will have such deposit applied toward room charges. In the event of cancellation of room reservation, the amount deposited, less \$5.00, will be refunded, provided notice of cancellation is given to the Business Office by *January 1, 1949* for the Winter Semester, 1948-1949, or by *August 1, 1949* for the Fall Semester 1949-1950. If a student is denied readmission or if the University should be unable to provide housing, the full amount of the deposit is refunded.

ESTIMATE OF EXPENSES

The following table will enable the student to form an estimate of expenses for one semester:

	Low	Average	Liberal
Regular Tuition	\$125.00	\$125.00	\$125.00
General Fees and Health Service Fee	13.50	13.50	13.50
Student Council Fee	7.00	7.00	7.00
Rent of Room	55.00	60.00	70.00
Board	160.00	180.00	200.00
Laboratory Fees, Textbooks, Supplies	19.00	35.00	50.00
Total for the Semester	\$379.50	\$420.50	\$465.50

The expenses for each academic year (two semesters) are approximately twice the above semester figures.

Clothing, travel, incidental expenses, fees for applied music lessons, and special fees* are not included in these estimates.

Amounts due the University are payable in full at the time of registration for each semester.

A time payment plan may be arranged with parents or guardians on tuition, music lessons and room, but not on *fees, board and other similar items*, which are always paid at the time of registration.

A small carrying charge of 50 cents for each \$50.00 or fraction thereof will be collected in advance on deferred amounts to reimburse the University for the extra cost of carrying and collecting accounts.

* See fees, p. 27.

Application for spreading payments over the semester should be made directly to the Business Manager by parents or guardians either in writing or in person; and all arrangements should be completed *before* registration in order to avoid delay and confusion.

The University may refuse a student permission to take final semester examinations if his account is not settled in full. No degree will be conferred upon and no transcript of credit will be given for a student whose account with the University or the Student Council has not been settled in full.

REFUNDS

In case of *formal voluntary withdrawal only*, the tuition fee is refundable as follows: two-thirds until two weeks and one-third until ten weeks after the first official day of registration of a semester. If the student is dismissed, there is no refund of this fee.

General, special, and laboratory fees are never refunded.

Unused portions of payment made for room are refunded in all cases of withdrawal.

Refunds are made to students unless the University is instructed in writing to remit to parents or guardians. Refunds must be claimed in writing within six months of the close of the semester in which the fees were assessed.

SPECIAL FEES

Matriculation — \$5.00. This fee is payable once only, when the student is first admitted to the University.

Late Registration — Fifty cents per day until the close of registration.

Condition examination — \$3.00.

Make-up or Special Examination — \$1.00.

Change in Program — \$1.00, unless the change is required by the University. See "change in program" under "Admission."

Graduation — \$10.00, payable at the time formal application for a degree is filed.

Dormitory Association Fee — Fifty cents, payable each semester by all residents of University dormitories and University operated homes. This fee is collected by the University for the Dormitory Associations. The amount collected is available to these organizations by requisition approved by the respective treasurers and the University administration. The purpose of this fee is to enable the Dormitory Associations to finance social and recreational programs and dormitory improvements.

PAYEE

Drafts, checks, and money orders, should be made payable to the Valparaiso University Association.

STUDENT COUNCIL FEES

The Student Council has been entrusted with the management of certain student activities and is authorized to collect an activities fee of \$7.00 each semester. This fee entitles the student (1) to a subscription to *The Torch*, which is published approximately thirty times by the journalism class under the supervision of the Department of English and contains campus news; (2) to admission to the lectures and entertainments of the student lyceum, to band and orchestra concerts sponsored by the Council, and to student debates and dramatic productions; (3) to a copy of *The Beacon*, the students' annual, which contains a comprehensive record of the year's activities.

STUDENT AID

Valparaiso University endeavors to assist qualified students financially by providing the following forms of student aid:

- Scholarships
- Grants in Aid
- Student Assistantships
- Campus Employment

All forms of student aid are granted only after a thorough investigation by the University. The extent and nature of aid to be granted is determined on the merits of each case. In general, however, the scholastic record, the need of financial assistance, and the character of the student are the determining factors. All forms of student aid are generally granted for two semesters and reapplication must be made for subsequent aid. Student aid, furthermore, may be revoked at any time if, in the judgment of the University, the aid has been misplaced. All forms of student aid are immediately revoked when a student withdraws from the University, either voluntarily, or involuntarily during the semester or school year for which such aid is granted.

SCHOLARSHIPS

Recipients of scholarships are expected to maintain a standing of B (2.00) each semester to secure renewal of such aid. Outside employment by scholarship students is not permitted except in rare cases, and then only by special permission.

President's Scholarships. By resolution of the Board of Directors ten awards, known as the President's Scholarships, carrying full tuition, are offered annually. Students applying for these scholarships must have exceptionally high academic ranking, outstanding personality, and high

character. Ordinarily they are chosen only upon personal interview with the President.

Aid Association for Lutheran Scholarships. Ten scholarships in the sum of \$175.00 each are awarded annually to juniors and seniors majoring in the Department of Business and Economics. In the event less than ten students of this department are eligible, the remaining scholarships will be awarded to qualified students in any other department of the University.

Dr. and Mrs. A. F. Beckman Scholarship in the sum of \$200.00, for a student preferably from Indianapolis, Indiana.

The William F. Boeger Memorial Scholarship in the sum of \$175.00 offered annually by the Board of Directors in memory of William F. Boeger.

The (Mrs.) Amalie Bokerman Scholarship in the sum of \$175.00, established by Messrs. Henry and Herman Bokerman in memory of their mother, for a student preferably from Pennsylvania.

The John V. Borgerding Scholarship in the sum of \$175.00, for a student from greater Pittsburgh or Pennsylvania.

The Dr. and Mrs. E. C. Galsterer Scholarship in the sum of \$200.00 for a student from Saginaw, Michigan or students residing in the Saginaw Valley.

The Mary Hilgemeier Scholarship in the sum of \$200.00, established by Mr. Frank Hilgemeier in memory of his mother, for a student preferably from Emmaus congregation, Indianapolis, Indiana.

The Edward Jiede, Jr., Scholarship in the sum of \$200.00 established in memory of Edward Jiede by his parents, Mr. and Mrs. Edward Jiede, Sr.

The Kappa Kappa Kappa Scholarship in the amount of tuition and fees for one semester, awarded to a senior girl from Valparaiso High School. Candidates are selected by the Kappa Kappa Kappa Sorority.

The Frederick William Kroencke Memorial Scholarship in the sum of \$175.00 per year, to be awarded to an upperclass student of high scholastic achievement.

Lutheran Laymen's League Scholarships. Two scholarships are offered annually by the Lutheran Laymen's League to students of unusual ability and promise. Details of standards and requirements will be forwarded upon request.

The Mr. and Mrs. Dirk Meyer Scholarship in the sum of \$200.00, for a student from Pekin, Illinois.

The Henry F. Moellering Scholarship in the sum of \$200.00 for a student residing in Fort Wayne or Allen County, Indiana.

The Mollie V. Page Scholarship in the sum of \$100.00, for a student preferably from Coyners congregation of Waynesboro, Virginia.

The Porter County (Indiana) — Valparaiso University Scholarships. A minimum of five and a maximum of ten scholarships valued at \$150.00 and \$100.00 are awarded annually to high school seniors in Porter County. A competitive examination is required of all candidates. These candidates must be in the upper quarter of their graduating classes and must be endorsed for the competition by their high school principals.

The Frederick A. Stendell and Harry E. Stendell Scholarship, in the sum of \$200.00 for a student from Michigan.

Trinity Men's Club Scholarship. A scholarship in the sum of \$100.00 offered by Trinity Men's Club, of Mount Clemens, Michigan, for members of Trinity Church. Applicants must be graduates of the Mount Clemens High School. Selections will be made by the University in consultation with the pastor of Trinity Church.

Trinity Ladies' Aid Society Scholarship. A scholarship in the sum of \$100.00 offered by the Ladies' Aid Society of Trinity Church, Mount Clemens, Michigan. The applicant must be a member of Trinity Church and a graduate of Mount Clemens High School. Selection of the candidates will be made by representatives of the University in consultation with the pastor of Trinity Church.

Dr. and Mrs. H. L. Ulbrich Scholarship in the sum of \$175.00.

The Valparaiso Junior Chamber of Commerce Scholarship in the sum of \$100.00, awarded annually to an outstanding male graduate of the Valparaiso High School.

The Valparaiso Junior Women's Club Scholarship in the amount of full tuition, awarded to a student in the Department of Education at the end of his or her junior year, to be used during the senior year. Candidates are selected by the Valparaiso Junior Women's Club in consultation with representatives of the University.

The F. G. Walker Scholarship in the sum of \$175.00, for a student from Cleveland or Cuyahoga County, Ohio.

The Philip Wambsganss Memorial Scholarship in the sum of \$175.00 per year, for a student from Allen County, Indiana.

The J. H. Wickman Scholarship in the sum of \$200.00 for a graduate of the Jonesville, Michigan High School. Candidates are selected by Mr. Wickman under the general supervision of the University.

The Board of Directors annually authorizes a number of scholarships in varying amounts for students who have maintained superior records in high school and college.

GRANTS IN AID

Grants in Aid are financial grants made to needy students who are deserving of assistance but who do not meet the scholastic requirements for scholarship awards, and could not attend college without financial aid.

STUDENT ASSISTANTSHIPS

A number of student assistants are employed by the University in the laboratories, general library, law library, and in such other departments as may require the services of an assistant. These assistantships are available to qualified students who have been in residence for at least one year. Appointment to an assistantship is granted only on the recommendation of the dean of the college or head of the department in which the student is to serve. A scholarship standing each semester of B (2.00) should be maintained for a renewal of an assistantship.

CAMPUS EMPLOYMENT

Campus employment awards are one form of part-time work. They are granted to students in real need whose scholastic records indicate that they will be able to work for a reasonable number of hours per week without jeopardizing their scholarship. As in the case of all other forms of student aid, these awards are granted for two semesters. Scholarship which is below average (C), at the end of the first semester may cause the revocation of such aid.

The Business Manager of the University assigns all recipients of campus employment awards to University part-time employment on the basis of the requirements of the particular work and the fitness of the student.

Students receiving this form of aid may be employed in the University's offices and the University Restaurants. A number of students are also assigned to janitorial work, campus gardening, and similar work.

STUDENT LOANS

The Henry Strong Educational Foundation allots a certain amount of money each year for loans to upperclassmen. Candidates are recommended by the University. Repayments are due after graduation: 10% the first year, 20% the second year, 30% the third year, and 40% the fourth year. Interest at 4% accrues after graduation. All repayments are credited to Valparaiso University for the making of additional loans. No loans can be made to students over twenty-five years of age.

The Lucy D. Putnam Loan Fund in the amount of \$50.00 and *The Porter County Federation of Women's Clubs Loan Fund* in the amount of \$166.00 are available to worthy women students, preferably from Porter County (Indiana). The recipients must ordinarily be classified as juniors or seniors. The loan is given in the form of a negotiable promissory note which carries interest at 3% until maturity and 5% after maturity. The note cannot be made for a period longer than five years. Interest is due and payable before September 1. Interest not paid as stated is added to the principal of the loan.

METHOD OF APPLICATION FOR AID

Student aid is granted only on the basis of formal application. New students must also submit their application blanks for admission. Any form of student aid will be cancelled if it is found that the applicant has made any misrepresentations or has failed to abide by the conditions under which the aid is granted either before or after actual residence at the University. Application forms for student aid are available in the office of the Business Manager.

THE SPIRITUAL PROGRAM

Matins — The spiritual welfare of the students is the principal concern of the University. Matins are conducted every morning from Monday to Friday during the regular scholastic year and during summer sessions. All students are encouraged to attend the daily chapel services. Attendance is required of freshmen and sophomore students unless specifically excused by the University administration. Juniors and seniors attend on a voluntary basis. When a student enrolls at the University, he thereby signifies his willingness to take an active part in this essential program of the institution, and to build his life upon the same spiritual foundations that are basic to the University itself.

A stimulating and orderly matins program is the responsibility of an annually appointed student-faculty Chapel Committee.

Church Attendance — All students are expected to attend the church services of their denomination every Sunday. Every courtesy is extended to pastors of the city of Valparaiso who do pastoral work among students of their faith.

Prayer Chapels — Opportunity for private meditation and prayer may be found in the small chapels provided in the residence halls. Group study and devotions are often arranged spontaneously among the residents of dormitories and of the fraternity and sorority houses.

Spiritual Counseling — The local pastors and many members of the faculty are always available as counselors in spiritual matters.

STUDENT CONDUCT

Regulations for student conduct at Valparaiso University are founded on Christian principles. The University places full confidence in its students, and hence it imposes only such regulations as have been shown by experience to be necessary. These regulations are given in detail in the *Student Handbook*.

Certain offenses, such as wilful or habitual disregard of college regulations, gambling, inebrity, any form of impurity, the continued use of profane or obscene language, and dishonesty in the classroom and in campus relationships, inevitably involve the separation of a student from the University. The University reserves the right to terminate a

student's enrollment whenever, in its opinion, his conduct is prejudicial to the best interests of the University. Such conduct may involve destructive criticism and habitual opposition to plans for the promotion of the welfare of the University and its students.

A student who enters into the marriage relationship without the consent of the University administration thereby severs his connection with the University. He can be re-instated as a student only by a vote of the faculty.

HONOR SYSTEM

The honor system shall govern all matters concerning honesty in academic work at Valparaiso University. The students shall be responsible for keeping the academic work of the University free from dishonesty.

The instructor shall remain in the classroom during quizzes, tests, and examinations lasting less than a full period, but he shall not serve as proctor. During examinations lasting a full period or longer, the instructor shall remain in the classroom only long enough to answer necessary questions.

The honor system shall be administered by the Honor Council, appointed by the President of the University. The functions of the Honor Council shall be educational, preventive, remedial, and judicial.

Any student shall have the right to appeal any ruling of the Honor Council to the Faculty.

The Faculty reserves the right to modify or abrogate the honor system at any time.

ADVISORY SYSTEM

The advisory system, which is under the supervision of the Dean of the Faculty, is designed to offer the student guidance in selecting courses and in meeting the academic requirements of the University. Each student is assigned to a faculty adviser, who assists him in selecting courses before each registration and in making necessary adjustments after registration. Each student must have his schedule approved by his faculty adviser at the beginning of each semester before the schedule is filed with the Registrar. Subsequent changes in the schedule must also be approved by the faculty adviser.

PERSONNEL PROGRAM

The personnel program, which is under the supervision of the Personnel Director, co-ordinates the various services provided by the University for the welfare and development of its students. It is designed to assist each student in attaining the highest possible level of achievement in academic, personal, social, and vocational situations. A complete personnel record of each student is kept in the office of the Personnel Director.

Shortly after his initial registration, each student is assigned to a personnel counselor, who confers frequently with the student and serves as friend, confidant, and counselor.

Orientation (Sociology I.), a course which meets one period per week for one semester, is an essential part of the personnel program. It is required of all freshmen. In this course, an effort is made: (1) to acquaint each student with the offerings, activities, and regulations of the University; (2) to assist him in self-analysis; (3) to assist him in making intelligent academic and vocational choices on the basis of such analysis; (4) to provide group guidance for the attainment of these goals.

HEALTH SERVICE

The health of the student body is cared for by two University Physicians and three registered nurses. An infirmary is equipped to care for less serious illnesses and, to a limited extent, contagious diseases.

Students may consult the University Physicians at regular daily office hours and obtain treatment for minor illness, first aid, or advice on more serious conditions.

In case of serious illness or accident, the responsibility for the choice of a physician and the expense of medical treatment and hospitalization rests entirely upon the student.

Entering students are required to have a physical examination by their own physician. Follow-up examinations are done by the University Physicians where indicated. X-ray examinations are done for the detection of tuberculosis.

REPORT OF ILLNESS — Absence from classes because of illness must be promptly reported to the Health Service even though the student is under treatment by another physician. Official excuses can not be given unless this is done.

In conjunction with the health service, a Student Insurance Plan is offered to all students which provides up to certain limits for the treatment of illnesses and injuries which cannot be accommodated by our health service. Such treatment includes hospitalization, hospital services, surgery, physician's care and private nursing. This coverage has been of great value and we recommend that all students be enrolled.

SOCIAL ACTIVITIES

The University believes that a sound and interesting social program is an important part of student life. For that reason, it has appointed a Director of Social Activities, who acts as general adviser for all social events. All plans for social events must be approved by her. Students share in the responsibility of arranging the social program through the Social Commission, a committee of the Student Council.

UNIVERSITY LIBRARY FACILITIES

General University Library. The general library of the University contains 81,621 volumes including 4,623 government volumes, 25,070 government pamphlets, and 10,450 other pamphlets. In addition, there are 1,275 unbound periodicals.

The general library receives by subscription or gift 358 periodicals.

The general library of the University is a depository for the publications of the United States government.

Law Library. The library of the School of Law is located in the Arts-Law Building and contains about 15,000 volumes. Additional information regarding the facilities of the Law Library will be found in the section of this catalogue describing the School of Law.

DEACONESS TRAINING HOUSE

The University assists in maintaining a Deaconess Chapter House for the training of deaconesses in the Lutheran Church. Residents of the house are full-time students at the University. In addition special work is done under the direction of the superintendent, the Reverend Arnold F. Krentz.

STUDENT ACTIVITIES

Student Council — The Student Council, entrusted by the University administration with executive, legislative, and judicial powers over the student body, is composed of annually elected student representatives. The council is constituted to 1) unify the student body, and 2) to initiate and exercise supervision over student government, discipline, and activities. Its program is conducted in cooperation with the administration.

Lyceum Programs — A series of special lectures and entertainments is arranged each year by the Student Lyceum Committee with the approval of the Student Council and the administration. The programs are planned so as to contribute to the cultivation of literary and musical interests. Students are admitted on student passes.

Student Publications — The weekly newspaper of the University, *The Torch*, edited by a staff which is appointed by the Student Council, serves as a laboratory for students interested in journalism. The staff operates under the supervision of the Department of English.

The year book, *The Beacon*, is published by a staff appointed by the Student Council. The staff operates under the supervision of the Department of Business and Economics and the Department of English.

Class Organizations — Each of the four student classes maintains a permanent organization, with officers and a treasury, for the manage-

ment of class affairs. Students are expected to become active members of these organizations.

Literary and Scientific Societies — Departmental and honorary societies of the University give ample opportunity to present essays, orations, discussions, and criticisms, as well as to hear men and women of note in their respective fields of learning. The roster of clubs includes such groups as the Biology Club, Camera Club, Chemistry Club, Commerce Club, Contemporary Literature Club, Crafts Club, Education Club, Engineering Society, the Flying Club, French Club, German Club, Home Economics Club, International Relations Club, Music Club, Pre-legal Club, the Radio Club, Spanish Club, University Lawyers' Association, University Players, and Writers' Club. The honor societies are Alpha Psi Omega (dramatics), Iota Sigma (journalism), Pi Gamma Mu (social science), Phi Sigma (forensics), and Gown and Gavel (outstanding senior women).

Intercollegiate and Intramural Athletics — The athletic program at Valparaiso University is conducted for the training of the character of the students and for the development of a spirit of unity and high morale in the student body. Valparaiso University is a member of the Indiana Intercollegiate Conference and the National Collegiate Athletic Association and participates in the usual college sports — football, basketball, baseball, tennis, golf, track, archery, and bowling. Intercollegiate athletics for men are controlled by the Faculty Committee on Athletics. All men who have won the athletic letter "V" through participation in college athletics make up the Varsity "V" Association.

Interclass and intramural competition is also encouraged. Students are urged to participate in some form of athletic activity. Eligibility rules govern membership on the various athletic teams.

The University provides experienced coaches and takes every precaution to avoid injury to players. The University assumes no responsibility, however, for accidents. Students participating in intramural and intercollegiate athletics do so at their own risk.

An intercollegiate and intramural program of athletics for women, sponsored by the Women's Athletic Association, is under the supervision of an instructor in physical education for women. The platform of the Women's Division of the National Amateur Athletic Federation, in which W.A.A. holds membership, serves as the basis for the conduct of physical activities. Every woman student is eligible for membership in W.A.A. and may become a member upon the fulfillment of certain activity and scholastic requirements.

Clubs closely allied with the University Department of Physical Education are the Majors' Club, the Cheerleaders' Club and Pep Club:

The Theatre — The theatre at Valparaiso University provides a means for much creative activity, both curricular and extra-curricular. Students may enroll for courses in acting and play directing. By becoming members of the University Players, they may try out for roles in

major productions or may volunteer for backstage work. In either case, students are instructed in acting, direction, construction, lighting, make-up, and publicity by a member of the Department of English.

The University Players present publicly each year several full-length plays. The major productions are supplemented by one-act plays, generally classroom productions directed by students of dramatic art.

A chapter of Alpha Psi Omega, national honor society in dramatics, recognizes by invitation to membership those students whose work has been outstanding in the University theatre.

Debate — The debate squads, sponsored by the Independent Association and advised by the Department of English, provide training and experience for students interested in oratory. The University is a member of the Indiana Debate League and of the Midwest Debate Conference. Phi Sigma, a local honorary forensic fraternity, annually elects several members of the debate squads to membership.

Students interested in debating are urged to take the courses offered in Public Speaking (English 81, 82).

Musical Organizations — The University A Cappella Choir, the Schola Cantorum, and the Chapel Choir are organized by the Department of Music for students interested in choral work. The University maintains a student orchestra, directed by a member of the Department of Music, which offers excellent opportunity for practical training in the best orchestral works. The orchestra is heard each year in symphony programs. The University band provides music for athletic events and also gives several formal concerts. Tours for these organizations are sponsored by the Department of Music.

University Youth Council — The University Youth Council is a volunteer student organization interested in directing a recreation program for children of the community. A club house — recreation center was provided in 1948. Maintenance and improvements are financed by students, citizens of Valparaiso, and the University administration. The project provides excellent practical experience for students of sociology and social work.

Service Opportunities — Besides the Youth Council, a number of organizations give students opportunity to extend service to the University community. Gamma Delta, affiliated with the national organization of the Lutheran Student Service Commission, sponsors a regular program of fellowship, recreation, and special speakers. The Student Church Council assists in activities at the local Lutheran Church.

Specially qualified upperclass students are eligible for positions as counsellors in the residence halls.

Fraternities and Sororities — The Greek letter organizations on the campus are, with the exception of two, not nationally affiliated. They are maintained to provide housing for groups of congenial men or women and to aid in maintaining a well-rounded social program. Infor-

mation and regulations governing membership are set forth in the *Student Handbook*. Matters of mutual interest are conducted through the Pan-Hellenic Council, the Interfraternity Council, and the Intersorority Council.

The Independent Association — One of the largest campus groups, open to men and women unaffiliated with a Greek letter organization, is the Independent Association. It has membership in the National Independent Students' Association. It sponsors a broad program of academic and social activities and encourages the participation of its members in campus affairs.

ADMINISTRATIVE PROCEDURE

ADMISSION

Graduates of recognized secondary schools will be considered for admission to the freshman class of the University without examination.

The Committee on Admissions and Degrees is given wide discretionary power in the selection of students to be admitted. It is the aim of the Committee to select those whose character, personality, and scholastic record indicate that they are best able to use to advantage the education which Valparaiso University offers.

The admission, the continuance upon the rolls, and the graduation of every student is subject to the disciplinary powers of the University. A student is received only upon condition that his connection with the University may be terminated whenever, in the judgment of the President, his conduct is prejudicial to the best interest of the University.

APPLICATION FOR ADMISSION—An application blank may be obtained by addressing the Registrar. This blank should be filled out and forwarded to the Registrar of the University as early as possible. A student's credentials must be approved by the Registrar before his registration is complete. All certificates upon which admission is granted become the property of the University and are preserved in its permanent files.

REQUIREMENTS FOR ADMISSION TO THE FRESHMAN CLASS

COLLEGE OF ARTS AND SCIENCES

RECOMMENDED UNITS FOR ADMISSION — The following units, *though not essential to admission*, are regarded as *highly desirable*. Students planning their high school work are urged to arrange their schedules in such a way as to be able to present the following units:

English	3	A foreign language	2-4
Algebra	1	Social studies	2
Plane Geometry	1	A laboratory science	1-2

CURRICULA IN ENGINEERING

1. For admission to the freshman class in engineering, an applicant must establish credit in 15 units of secondary school work. A unit represents the study of any subject for a school year of at least 32 weeks, with five recitation periods a week, each of at least 45 minutes in length, or

the equivalent thereof. Two laboratory periods in any science or vocational study are considered as equivalent to one classroom period.

2. a. Of the 15 units, 8 are prescribed for all applicants, namely:

English	3
History or Social Science	1
Science, with regular laboratory work.....	1
Algebra	1½
Plane Geometry	1
Solid Geometry	½

An applicant for admission to engineering who is deficient only in solid geometry but has credit for two units of algebra or a half unit of trigonometry, will be admitted but required to make up the solid geometry by taking Mathematics 01 during his first year. Similarly, one who has credit for only one year of algebra but has credit for solid geometry and one-half unit of trigonometry will be admitted with a deficiency of one-half unit in algebra, which will be considered satisfied when he has passed Mathematics 61.

- b. Three additional units must be chosen from the following fields of knowledge: English, languages other than English*, mathematics, science†, history, and social science.

- c. The remaining four units may be chosen from any other subjects in which credit for graduation has been allowed in the secondary school.

GRADUATES OF APPROVED SECONDARY SCHOOLS

Graduates of secondary schools in the United States which are fully accredited (1) by the state universities in their respective states or (2) by the North Central Association of Colleges and Secondary Schools, or by any other recognized regional accrediting agency, or (3) which are commissioned by the State Department of Public Instruction of Indiana, or which hold commissioned high school equivalency, will be admitted to Valparaiso University without examination upon presentation of credentials in proper form certifying to the completion of all the detailed requirements specified above. Applicants for admission to the curricula in engineering will be admitted only when they rank in the *upper two-thirds* of their respective graduating classes in high school.

Any applicant who is unable to meet in full the requirements for admission to the curricula in engineering will be admitted only if his general high school record is sufficiently good to rank him in the *upper*

*German is recommended for those who expect to study chemical engineering.

†A year of a second science is recommended, preferably physics or chemistry.

third of his class and if he has credit for at least one unit in algebra and one unit in plane geometry.

The University does not undertake to provide work of high school grade for students with entrance deficiencies, except in solid geometry. All entrance deficiencies must be made up within one year from the date of admission.

GRADUATES OF NON-APPROVED SECONDARY SCHOOLS

Graduates of secondary schools which are not accredited by the above specified agencies or which are non-commissioned high schools in Indiana who are able to satisfy *in full* the detailed requirements as above described will be admitted upon presentation of a special personal recommendation from their respective high school principals certifying to their ability to do college work, and the approval of the Committee on Admissions. Such applicants for admission to the curricula in engineering will be admitted only if they rank in the upper two-thirds of their respective graduating classes in high school.

ADMISSION AS A SPECIAL STUDENT IN ANY CURRICULUM

Students not candidates for a degree may be admitted to the University as special students on the approval of the Committee on Admissions. Those seeking this privilege are admitted under the following conditions: (1) they must be prepared to do the work desired and give good reason for not taking the regular course; (2) they must be at least 21 years of age.

Special students may become candidates for degrees by meeting the requirements for regular admission.

Special students are not admitted to the School of Law.

ADMISSION TO ADVANCED STANDING

Students from other institutions seeking admission to Valparaiso University must present evidence of honorable dismissal from the institution last attended. All claims for advanced credit must be presented to the registrar in the form of an official transcript. No advanced credit will be granted for courses completed with grades below "C" or the equivalent. The University reserves the right to reject any applicant for admission by transfer whose academic record is unsatisfactory.

Students who enter with advanced standing because of credits transferred from another school must earn at Valparaiso University as many quality points as semester credits in order to be eligible for a degree.

REGISTRATION

All students are expected to register on the official registration days of each semester. Information concerning the official registration days will be found in the University Calendar.

RESPONSIBILITY ASSUMED BY REGISTRATION — By registering, the student subscribes to the terms and conditions, financial and otherwise, which have been set forth in these announcements.

CHANGE OF PROGRAM — During the first and second weeks of the semester, changes of enrollment may be made with the written approval of the student's adviser. Two weeks after the beginning of the semester no changes of enrollment will be allowed except upon the written approval of the student's adviser, of the instructors concerned, and of the Committee on Scholarship.

Students who wish to drop courses after the second week of the semester should read the regulations regarding grades of "W" and "F". Application for changes in enrollment must be made by the student on proper forms and filed at the office of the Registrar.

A change-of-enrollment fee of \$1.00 is payable by each student for each subject changed after the beginning of the third week of the semester or session, unless the change is required by the University.

In no case, except for prolonged illness, will a student be allowed to change his program of studies or withdraw from a course without a grade of "F" after the end of the sixth week of the semester.

ADMISSION TO COURSES AS AN AUDITOR — A classified student may register in a course as an auditor only with the permission of his adviser and the instructor concerned. No additional fee is charged when the student pays full tuition.

A mature student, not regularly enrolled at the University, who desires to take courses without credit may enroll as an auditor upon receiving the approval of the instructors concerned and the Dean of the College. Payment of an auditor's fee is required.

TRANSFER TO ANOTHER PROGRAM — If a student transfers from one major or program of studies to another, all requirements of the new specialization must be met. Such a transfer will subject credits previously earned to a re-evaluation. In certain cases the change of program may result in some loss of credit. Therefore, such transfers may not be made without the written approval of the advisers concerned. Necessary forms may be obtained from the Registrar.

CREDIT HOURS—A credit represents one hour of recitation or lecture, or two or more hours of laboratory a week for one semester. If time outside of the laboratory is required to prepare laboratory notes, two hours may be equivalent to one hour of class work. Drawing, shop-work, and other courses demanding no outside preparation require a

minimum of three hours for one credit. For the exact number of hours see the respective courses.

MAXIMUM AND MINIMUM REGISTRATION — The normal maximum registration for a full program for all students, except as otherwise provided in the special authorized curricula, is 17 semester credits; and the minimum registration of a full-time student is 10 semester credits.

Students who maintained a standing of two (2.0) during the previous semester may register for extra work, provided their formal petitions for such work are granted by the Committee on Scholarship. Freshmen will not be allowed to carry extra work during the first semester.

NUMBER OF CREDIT HOURS WITHOUT PETITION:

College of Arts and Sciences:

In all departments except as required in
special authorized curricula Maximum, 17 Credits

School of Law Maximum, 15 Credits

WITHDRAWAL FROM THE UNIVERSITY — A student who wishes to withdraw from the University for the remainder of a semester or session should apply to the Registrar for a permit to withdraw. Upon return of the permit properly signed, the Registrar will authorize the return of such fees as are refundable. In every case the parent or guardian is notified of the withdrawal.

The term "honorable dismissal" refers to conduct and character only, not to class standing and grades. It will not be granted unless the student's conduct and character are such as would entitle him to continue in the University.

On withdrawal, every student who has met all the financial obligations to the University is entitled to a transcript which contains all the important facts pertaining to his admission, classification, and scholarship.

EXAMINATIONS

The regular written examinations of the University are held at the close of each semester. Each examination is usually limited to two hours.

In addition to the regular prescribed examinations, written tests are given from time to time, at the discretion of the instructor.

The semester examinations are conducted according to a published schedule.

SPECIAL EXAMINATIONS — Special examinations are given only to conditioned (grade E) students and to students who for adequate reasons have not been able to be present at regular examinations or written

tests. The privilege of special examination is granted by the adviser on recommendation of the instructor. A conditioned grade of E must be removed by special examination during the next academic semester. If not so removed, the grade E becomes a grade F (failure) and the Registrar is authorized to make the change on the student's permanent record. In no case may a student remove a grade F by special examination. The subject must be repeated for credit.

A student is charged a fee of \$3.00 for each condition examination and a fee of \$1.00 for each special examination. This fee must be assessed by the Registrar and paid to the Business Office before the examination can be given by the instructor.

MARKING SYSTEM AND QUALITY POINTS

Results of work will be recorded in the Registrar's Office as follows:

A. Work of the best grade, excellent; valued at three (3) quality points for each credit.

B. Work better than average, good; valued at two (2) quality points for each credit.

C. Average work, fair; valued at one (1) quality point for each credit.

D. Work below average, unsatisfactory; indicates a deficiency and gives no quality points, but gives credit for graduation.

E. Condition grade. This grade is given only when there is a good reason for the deficiency and reasonable probability that it can be remedied. It requires a special examination for its removal to be taken during the student's next semester of residence. If the student does not enroll for the next semester after having received a grade of E, the next semester of residence must be within a period of three years thereafter; otherwise the grade becomes F automatically. When the work has been brought up to the passing grade within the specified time, the E is converted into D, but not into a higher grade. No course in which the grade of E was received may be used as a prerequisite for another course until the grade of E has been changed to the grade of D.

F. Failure, valued at 0 credits and 0 quality points.

I. Incomplete. Indicates satisfactory work, some part of which is incomplete. It must be removed during the first semester in which a student attends school after having secured the I, otherwise it becomes an F automatically. If the student is not in attendance during the next semester after having received a grade of I, a maximum of three years is allowed for the removal of same. If the grade of I is not removed within this time limit, the grade becomes F automatically.

W. An authorized withdrawal. (See Change of Program.) This mark carries no credit.

Any student withdrawing from a subject without first securing the official permission of his adviser will receive a grade of F in that subject for the semester.

DEFINITION OF THE STANDING OF A STUDENT — A student's standing is determined by the ratio of his total number of quality points to his total number of credits. Thus, a student who makes an average mark of C throughout a course of 128 semester hours will have 128 quality points, 128 credits, and a standing of one (1.0). An average mark of B will give the student 256 quality points, 128 credits, and a standing of two (2.0). When a semester's work is to be considered, "standing" is understood to be the ratio of the number of quality points gained to the number of credits scheduled.

Any student whose standing for the previous semester is .5 or less is put on scholastic probation; and if his standing for the next semester is less than 1.0, he may be suspended or dropped from the University. A student whose standing for any semester is .25 or less may be dropped from the University.

SEMESTER REPORTS — Reports are sent to parents and guardians of all students in the University at the end of each semester.

MID-SEMESTER REPORTS — At approximately the middle of each semester, the instructors report to the Personnel Director all students whose grades fall below C. The advisers then hold special conferences with the students concerned.

CLASSIFICATION

CLASSIFICATION OF STUDENTS — In the College of Arts and Sciences, except in the engineering curricula, a student must have 24 semester credits and 24 quality points to be classified as a sophomore; 56 semester credits and 56 quality points to be classified as a junior; 88 semester credits and 88 quality points to be classified as a senior.

In the engineering curricula, a student must have 28 semester credits and 28 quality points to be classified as a sophomore; 64 semester credits and 64 quality points to be classified as a junior.

In the School of Law, a student is classified as a first, second or third year student, when he has complied with the requirements for each year as they are listed for the curriculum in that school.

CLASSIFICATION OF COURSES — The courses offered by the University are classified as (a) lower division courses, numbered 1-100; and (b) upper division courses, numbered 100-199.

Yr. — Subjects so marked are two-semester courses. Credit may not be given for less than two semesters' work. A final semester grade, however, is reported by the instructor.

GRADUATION

RESPONSIBILITY OF STUDENT — Every candidate for a degree is himself responsible for meeting all requirements for graduation. No University officer can relieve him of the responsibility.

DEGREES — Upon the recommendation of the faculty of the College of Arts and Sciences, the University confers the degrees of Bachelor of Arts and Bachelor of Science. Upon the recommendation of the faculty of the School of Law, the University confers the degree of Bachelor of Laws. All work toward a degree must be completed to the satisfaction of the faculty recommending the degree. In all cases, the student is responsible for meeting the requirements of graduation.

CREDIT AND QUALITY POINT REQUIREMENTS — The minimum number of credits and quality points required for graduation varies with the courses chosen, as shown in the following summary. Candidates for degrees must meet the requirements in both number and kind of credits, as outlined in the catalogue for the year of matriculation, or for the year of graduation.

A student who returns to the University after an absence of five or more years may no longer be a candidate for a degree on the basis of the catalogue under which he first entered the University, but must fulfill for graduation all the requirements and provisions of the catalogue of the year in which he re-enters the University.

Degrees	Credits Required	Quality Points Required
Bachelor of Arts (except in combination curricula)	128	128
Bachelor of Science in Home Economics	128	128
Bachelor of Science in Physical Education	128	128
Bachelor of Science in Applied Science	142	142
Bachelor of Laws	78	78

RESIDENCE REQUIREMENTS — Candidates for degrees must spend, except as noted elsewhere, at least the last two semesters in residence.

The last year of work is to be construed as a year of not less than 30 semester hours of credit in the College of Arts and Sciences and 24 semester hours of credit in the School of Law.

Ordinarily, credit is not given for correspondence courses taken while in residence at the University.

APPLICATION FOR DEGREE — Candidates for graduation at the end of the winter semester must make formal application for their degrees on forms provided by the Registrar not later than November 1 of the previous calendar year.

Candidates for graduation at the end of the fall semester must make formal application on the same forms not later than May 1 of that year.

Candidates for graduation at the end of the summer session must make formal application at the beginning of that session.

PRESENCE AT COMMENCEMENT — A candidate must be present at commencement in order to receive his degree. Degrees are not conferred in absentia, except on special permission from the President.

A student who completes his work toward a degree at the end of the first semester or of the summer session may be granted his degree at that time.

DEGREES WITH DISTINCTION — 1. *Graduation "With High Distinction"*. A student who has been in attendance at Valparaiso University at least three years and who has maintained a standing of 2.6 in his work at this institution will be graduated "*With High Distinction*." A student who has been in attendance for only two years must maintain a standing of 2.8 to be eligible for this honor.

2. *Graduation "With Distinction."* A student who has been in attendance at least three years and who has maintained a standing of 2.4 in his work at Valparaiso University will be graduated "*With Distinction*." A student who has been in attendance for only two years must maintain a standing of 2.6 to be eligible for this honor.

The number of years completed in this institution is determined by the number of semester hours earned and not by the time spent in residence.

CLASS HONORS IN SCHOLARSHIP

The requirements for class honors in scholarship are as follows:

1. The student must have removed all condition grades of "E" and grades of incomplete.

2. He must have been registered for at least 14 hours of work for the semester in the College of Arts and Sciences, or for at least 12 hours in the School of Law.

3. For freshman honors the student must secure an average of 2 points per credit hour; for sophomore honors, an average of 2.3 points; for junior honors or first and second years in Law, an average of 2.4 points; for senior honors or third year in Law, an average of 2.5 points.

Freshmen reaching the required standard of excellence receive Honorable Mention; sophomores, juniors and seniors are recognized as Sophomore, Junior, and Senior Scholars, respectively.

RESERVATION OF RIGHT TO AMEND RULES AND REGULATIONS

The University reserves the right to amend its rules and regulations at any time.

The information contained in this catalogue, including the rules and regulations, is considered a contract between the University and the student.

Students are admitted to the school of the summer session upon the same basis as to the regular session.

Students who are admitted to the school of the summer session are not eligible for admission to the regular session until the following year.

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THE COLLEGE OF ARTS AND SCIENCES

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OBJECTIVES

The principle objective of the lower division courses is to offer the student a general education. Many of the courses of the lower division may serve also as tool subjects, or as introductory courses to advanced work; but as far as possible the work of the lower division is kept within the objective of a broad cultural education.

The lower division courses have the following objectives:

1. To deepen the student's Christian consciousness of his duty toward God and man.
2. To aid him in becoming more proficient in the use of the English language.
3. To further his knowledge of English literature and to develop his appreciation of what is good in the fine arts.
4. To give him an opportunity to become acquainted with the languages and literatures of other nations.
5. To acquaint him with the physical and social world in which he lives.
6. To develop his ability to work and think independently.
7. To prepare him for the proper use of his leisure time.
8. To enable him to make an intelligent choice of a field of concentration in the upper division.
9. To offer him a number of pre-professional programs.
10. To further his physical well-being.

The upper division courses have as their objectives:

1. To continue the pursuit of the objectives of the lower division.
2. To offer the student advanced work in those fields of concentration for which the school has the proper facilities, and in which the enrollment justifies the offering.
3. To offer him a program of teacher training.
4. To prepare him for graduate work.

DEGREES AND DEGREE REQUIREMENTS OF THE COLLEGE OF ARTS AND SCIENCES

The College of Arts and Sciences of Valparaiso University grants the following degrees: Bachelor of Arts, Bachelor of Science in Home Economics, Bachelor of Science in Physical Education, and Bachelor of Science in Applied Science.

Completion of the degree requirements of the College of Arts and Sciences with a major in any department other than Home Economics and Physical Education leads to the degree of the Bachelor of Arts. Completion of the degree requirements with a major in the Department of Home Economics leads to the degree of Bachelor of Science in Home Economics, with a major in the department of Physical Education to the degree of Bachelor of Science in Physical Education. The special curriculum leading to the degree of Bachelor of Science in Applied Science is described below.

In order to realize, in part, its objectives, the College of Arts and Sciences holds the student to the following degree requirements:

A. In the Lower Division (freshman and sophomore years):

1. **Religion*: 2 semester credits during each year of residence.

2. *English*: 12 semester credits.

†Freshman year: Freshman Composition, 6 cr.

Sophomore year: Survey of English Literature, 6 cr.

3. *Foreign Language*: 6-12 semester credits.

The student must complete at least 6 semester credits of work above the first year level. (Optional for candidates for the degree of Bachelor of Science in Home Economics or Bachelor of Science in Physical Education. Candidates for the degree of Bachelor of Science in Applied Science must earn 6 semester credits of German or French.)

4. *Social Science*: 12 semester credits.

Two courses of a full year each are to be chosen from two of the following fields: (1) In the freshman year: economics, geography, history, government. (2) In the sophomore year: economics, geography, history, government, education and psychology, philosophy, sociology.

5. ††*Natural Science*: 16 semester credits.

Two courses of a full year each are to be chosen from two of the following fields: Biology, chemistry, mathematics, physics, and geology.

* Non-Lutheran students may be exempted from this requirement by the Committee on Admissions and Degrees.

† Students who fail to pass the English grammar test given to all new students are required to take a non-credit course in English grammar in addition to Freshman Composition.

†† Students taking their major in the Department of Music who have completed a one-year laboratory course in natural science may substitute 8 credit hours of electives for the second year of required natural science.

6. *Physical Education and Hygiene*: 4 semester credits.

7. ***Orientation*: Sociology 1.

B. In the Upper Division (junior and senior years):

1. **Religion*: 2 semester credits during each year of residence.

2. *Major*: 24 semester credits.

The student must complete a major of at least 24 semester credits in one field. The credits applied on a major should be predominantly on the upper division level.

3. *Minor*: 12 semester credits.

The student must complete, in addition to his major, a minor of at least 12 semester credits in one field.

Except by special permission of the Committee on Admissions and Degrees, a student may not offer for graduation more than 40 semester credits in any one field.

More specific requirements for majors and minors are given in the announcements of the various departments.

More specific requirements for the degree of Bachelor of Science in Home Economics are given in the announcements of the Department of Home Economics on page 99 of this bulletin.

More specific requirements for the degree of Bachelor of Science in Physical Education are given in the announcements of the Department of Physical Education on page 110 of this bulletin.

The curriculum leading to the degree of Bachelor of Science in Applied Science is intended for the student who wishes to prepare himself for a career in industrial science and who meets the requirements for admission to the curricula in engineering.

Candidates for this degree must complete the requirements of the freshman and sophomore years of the Plan II Chemical Engineering Curriculum. In their junior and senior years, they must complete the following courses: Physics 103, 105, 112, 122, 132, and 195; Mathematics 141 and 172; Chemistry 103, 161, and 162; Engineering 61; English 51; Economics 52; one year (6 semester credits) of German or French; one year (6 semester credits) of a social science other than economics. A total of 142 semester credits is required for completion of the curriculum leading to the degree of Bachelor of Science in Applied Science.

** Required only of students who enter the University as freshmen.

* Non-Lutheran Students may be exempted from this requirement by the Committee on Admissions and Degrees.

C. Electives:

In addition to meeting the requirements of the lower and upper divisions, the student must present for graduation a sufficient number of electives to bring his total number of semester credits to 128[†].

COURSE PREREQUISITES

Students will be held responsible for meeting the prerequisites of all courses for which they enroll. In unusual cases, the Committee on Admissions and Degrees may waive certain prerequisites upon formal petition by the students concerned.

APPROVAL OF STUDENT'S SCHEDULE

The schedule of courses of each student must have the written approval of the adviser before the student may complete his registration.

PRE-PROFESSIONAL PROGRAMS

PRE-LEGAL PROGRAM

Students who wish to be admitted to the School of Law must obtain in the College of Arts and Sciences at least 60 semester credits and a standing of one (1) in all their pre-legal work. Credit earned in correspondence or extension study may not be counted toward meeting the entrance requirements of the School of Law. Semester credits in non-theory courses in military science, hygiene, domestic arts, physical education, vocal or instrumental music, or in other courses without intellectual content of substantial value may not exceed ten per cent of the semester credits offered for admission to the School of Law. Pre-legal students of the University conform to the regular program for freshmen and sophomores and take such additional courses as may be suggested by the adviser for pre-legal students.

COMBINED PROGRAMS

LIBERAL ARTS — MEDICINE

A student may obtain the degree of Bachelor of Arts from Valparaiso University by taking the three-year (six-semester) pre-medical program outlined below at Valparaiso University and completing an additional year's work (two semesters) at an approved school of medicine.

More specifically, the student who elects this program must meet the following requirements: He must spend his junior year in residence at Valparaiso University; he must complete the pre-medical program outlined below; he must make application for graduation sixty days prior to the date of graduation and present to the Registrar at the close

[†] Except in Plan I of the Department of Engineering, in the Combined Programs, and in the curriculum leading to the degree of Bachelor of Science in Applied Science.

of his first year in medicine an official transcript of a full year's work at the school of medicine; and he must have a standing of one (1) or the equivalent in all his work.

PRE-MEDICAL PROGRAM

FRESHMAN YEAR

<i>First Semester</i>			<i>Second Semester</i>		
		Cr.			Cr.
Biol.	51. General Biology	4	Biol.	52. General Biology	4
Chem.	51. General Chemistry	4	Chem.	54. Inorganic Chemistry ..	3
Engl.	1. Freshman Composi- tion	3	Engl.	2. Freshman Composi- tion	3
	Religion	2	Chem.	60. Qualitative Analysis....	2
	German or French	3		German or French	3
Phys. Ed.	1. Freshman Physical Education and Hygiene	1	Phys. Ed.	2. Freshman Physical Education and Hygiene	1
Sociol.	1. Orientation.....	0			
		<hr/> 17			<hr/> 16

SOPHOMORE YEAR

<i>First Semester</i>			<i>Second Semester</i>		
		Cr.			Cr.
Biol.	105. Vertebrate Anatomy..	4	Biol.	110. Vertebrate Embry- ology	4
Chem.	103. Organic Chemistry	5	Chem.	104. Organic Chemistry....	4
Engl.	51. Survey of English Literature	3	Engl.	52. Survey of English Literature	3
Phys. Ed.	51. Sophomore Physi- cal Education	1	Phys. Ed.	52. Sophomore Physical Education.....	1
	German or French....	3		German or French	3
		<hr/> 16		Religion	2
					<hr/> 17

JUNIOR YEAR

<i>First Semester</i>			<i>Second Semester</i>		
		Cr.			Cr.
Biol.	115. Anatomy and Physiology	4	Biol.	120. Microtechnique and Methods	4
Phys.	51. General Physics	4	Phys.	52. General Physics	4
Psych.	51. General Psychology..	3		Religion	2
Sociol.	51. Introductory Sociol- ogy.....	3	Sociol.	52. Introductory Sociol- ogy.....	3
	Elective	2 or 3		Elective	3 or 4
		<hr/> 16-17			<hr/> 16-17

The three-year (six-semester) pre-medical program outlined above meets the requirements of the American Medical Association and the Association of American Medical Colleges for entrance to approved medical schools, except those requiring a degree for entrance.

This pre-medical program enables the student: (1) to meet the requirements of the approved medical schools; (2) to gain a knowledge of the basic sciences and other subjects which are the foundation of the medical sciences; (3) to gain a liberal culture by a study of the humanities which are recommended by the American Medical Association and medical schools as desirable electives.

Deviations necessary to meet the special requirements of certain professional schools may be made with the approval of the Committee on Admissions and Degrees. The student is therefore urged to consult his adviser concerning these requirements not later than the beginning of the sophomore year.

Prior to admission to an approved school of medicine, the student must take the pre-professional aptitude test prescribed by the Association of American Medical Colleges. The fee for this test is five dollars. This fee will be forwarded with the examination to the Graduate Record Office which administers the test.

Valparaiso University is on the list of "Approved Colleges of Arts and Sciences compiled by the Council on Medical Education and Hospitals of the American Medical Association."

The University reserves the right to determine, upon the basis of his scholarship, ability, personality, character, and aptitude for medicine, whether or not a student shall be recommended for admission to a school of medicine. The completion of the work of the pre-medical program does not guarantee admission to a medical school.

LIBERAL ARTS — DENTISTRY

A student may obtain the degree of Bachelor of Arts from Valparaiso University by completing the three-year (six-semester) pre-dental program at Valparaiso University and an additional year at an approved school of dentistry.

More specifically, the student who elects this program must meet the following requirements: he must spend his junior year in residence at Valparaiso University; he must complete the pre-medical program outlined above except that he may substitute 4 credit hours of electives for Chemistry 104; he must make application for graduation sixty days prior to the date of graduation and present to the Registrar at the close of his first year in dentistry an official transcript of a full year's work at the school of dentistry; and he must have a standing of one (1) or the equivalent in all his work.

LIBERAL ARTS — NURSING

A student may obtain the degree of Bachelor of Arts from Valparaiso University by completing the three-year (six-semester) pre-nursing program at Valparaiso University and an additional course of study of twenty-seven months at an approved school of nursing.

More specifically, the student who elects this program must meet the following requirements: she must spend her junior year in residence at Valparaiso University; she must complete the pre-medical program outlined above except that she may substitute 4 credit hours of electives for Chemistry 104, and 8 credit hours of electives for Physics 51 and 52; she must make application for graduation sixty days prior to the date of graduation and present to the Registrar upon completion of twenty-seven months of work at the school of nursing an official transcript of twenty-seven months of work at the school of nursing; and she must have a standing of one (1) or the equivalent in all her work.

LIBERAL ARTS — MEDICAL TECHNOLOGY

A student may obtain the degree of Bachelor of Arts from Valparaiso University by completing the three-year (six-semester) pre-medical technology program at Valparaiso University and an additional year at an approved school of medical technology.

More specifically, the student who elects this program must meet the following requirements: she must spend her junior year in residence at Valparaiso University; she must complete the pre-medical program outlined above except that she may substitute 4 credit hours of electives for Chemistry 104; she must make application for graduation sixty days prior to the date of graduation and present to the Registrar at the close of her first year in medical technology an official transcript of a full year's work at the school of medical technology; and she must have a standing of one (1) or the equivalent in all her work.

SIX-YEAR LIBERAL ARTS — LAW PROGRAM

A student may obtain in six years (twelve semesters) both the Bachelor of Arts and the Bachelor of Laws Degrees. The program requires the completion of three full years of academic work in the College of Arts and Sciences before the course in the School of Law is begun.

More specifically, the student who elects this program must meet the following requirements: he must spend his junior year in residence at Valparaiso University; he must meet the degree requirements of the College of Arts and Sciences for the lower division, and must satisfy the requirements in religion in the upper division; he must complete one major, offer a total of at least 94 semester credits, and have a standing of at least one (1) in all of his pre-legal work. In his first year in the School of Law he must complete at least 30 semester credits and 30 quality points. Thus, he will present for the degree of Bachelor of Arts a total of at least 124 semester credits and 124 quality points. He may then complete the requirements for the degree of Bachelor of Laws by two years (four semesters) of additional work in the School of Law.

The entrance requirements for this program are those of the College of Arts and Sciences. The B. A. degree is granted upon the joint recommendation of the faculty of the College of Arts and Sciences, and the School of Law. The LL.B. degree is granted upon the recommendation of the faculty of the School of Law.

FIVE-YEAR LIBERAL ARTS — ENGINEERING PROGRAM

A student may obtain in five years (ten semesters) both the Bachelor of Arts degree and the degree of Bachelor of Science in Civil, Electrical, Mechanical, Aeronautical, or Chemical Engineering by completing the curriculum described under PLAN I in the announcements of the Department of Engineering on page 74 of this bulletin.

DEACONESS TRAINING PROGRAM

In cooperation with the Lutheran Deaconess Association within the Synodical Conference, Valparaiso University offers a four-year training program for deaconesses.

A student who elects this program must meet the requirements of the College of Arts and Sciences for the degree of Bachelor of Arts with a major in religion. The selection of a minor, of courses required by the Lower Division, and of electives will be determined for each student by the Adviser for Deaconess Students on the basis of the interests and aptitudes of the student and the needs of the Church.

ART

Mr. Bielecky

The purpose of the courses in art is to give students a better appreciation of the cultural value of art and an opportunity to do some creative work.

COURSES IN ART

1. FREEHAND DRAWING. Sem. 1. Cr. 2. An introduction to fundamentals of drawing. Analysis and rendering of line, form, tone, and color from still life, cast buildings, nature, heads, and costume models. Principles of construction, perspective, light and shade. Mediums are pencil, conte crayon, and charcoal. Drawing from model, nature, cast, and still life. No prerequisite. BIELECKY

2. COMPOSITION AND COLOR. Sem. 2. Cr. 2. Study of composition as to its elements. Color work is begun in pastel, water color, and oil. Actual practice of principles of composition and color in everyday life. Prerequisite: Art 1. BIELECKY

51. HISTORY OF ART. Sem. 1. Cr. 2. A study of Prehistoric, Egyptian, Babylonian and Assyrian, Aegean, Greek, Etruscan, Roman, Early Christian and Byzantine, Romanesque, Gothic Art with full illustration and discussion, both historical and appreciative. No prerequisite. BIELECKY

52. HISTORY OF ART. Sem. 2. Cr. 2. A study of the art of Europe and America from the Renaissance to the present. No prerequisite. BIELECKY

61. ADVANCED FREEHAND DRAWING. Sem. 1. Cr. 2. A continuation of Art 1. Prerequisite: Art 1. BIELECKY

62. ADVANCED COMPOSITION AND COLOR. Sem. 2. Cr. 2. A continuation of Art 2. Prerequisite: Art 2. BIELECKY

71. OIL PAINTING. Sem. 2. Cr. 2. An introduction to the technique of oil painting and to representation in color. Painting from still life and landscape. Palettes, materials and mediums are considered. Prerequisites: Art 1 and 2. BIELECKY

72. ADVANCED OIL PAINTING. Cr. 2. Continuation of Art 71. Prerequisite: Art 71. BIELECKY

THE DEPARTMENT OF BIOLOGY

*Professor Elliott (Head), Mr. Bloom, Mr. Kuster, Mr. Krekeler,
Miss Ebel*

The work in this department is designed to: (a) develop in the student a general knowledge and cultural appreciation of the animal and plant life with which he almost daily comes in contact; (b) establish a biological foundation for practical work in agriculture, forestry, horticulture, biological survey, entomology, and other related fields; (c) provide the necessary training for teachers of biology, botany, zoology, physiology and hygiene; (d) give essential preparation to students who wish to enter the fields of medicine, dentistry, nursing, and health education; and (e) prepare students for graduate and research work in biology, botany, and zoology.

The location of the University in the lakes and dunes region of northwestern Indiana makes available a great variety of native plants and animals characteristic of lakes and streams, sand dunes, open prairie, and forest. The nearness to Chicago affords opportunity for field observation and study of such places as the Field Museum of Natural History, the Shedd Aquarium, Lincoln Park, the Brookfield Zoological Gardens, the Washington Park Botanical Garden, and numerous hospitals and clinics.

MAJORS

Major in Biology:

A major in biology consists of at least 24 credit hours beyond Biology 51. It must include courses 101, 102, 105 and 110.

Major in Zoology:

A major in zoology consists of at least 24 credit hours. It must include courses 105 and 110.

MINOR

Minor in Biology:

A minor in biology consists of 16 credit hours.

APPROVAL OF SCHEDULES

All students taking a major or a minor in the department and all students planning to teach biological subjects must have their schedules approved by the head of the department at the beginning of each semester.

COURSES IN BIOLOGY

51. GENERAL BIOLOGY. Sem. 1. 2+4, Cr. 4. An attempt to give the student a broad view of the principles of biology as shown by the structure, development, growth and reproduction of both animals and plants. Laboratory consists of exam-

ination of protoplasm and the cell (study of a typical animal and plant) and a survey of the primary animal and plant groups. Lectures and discussion deal with the structure, composition and activities of protoplasm and the cell together with consideration of plant and animal development, heredity, distribution, ecological relations and economic importance. Laboratory fee, \$6.00. THE STAFF

52. GENERAL BIOLOGY. Sem. 2. 2+4, Cr. 4. A continuation of Biology 51. Laboratory fee, \$6.00. THE STAFF

NOTICE: No student will be admitted to any one of the following courses unless he has completed Biology 51 and 52 or the equivalent.

101. PLANT MORPHOLOGY. Sem. 1. 2+2, Cr. 3. A study of the structure, growth, development and ecological relationships of plants. Emphasis upon the vascular plants. Laboratory fee, \$3.00. KUSTER

102. SYSTEMATIC BOTANY. Sem. 2. 2+2, Cr. 3. The external morphology and classification of plants, particularly the seed plants. Field work and laboratory drawings give practice in methods of descriptive botany. The aim of this course is to acquaint the student with our native plants in order to develop a first-hand knowledge and deeper appreciation of nature. Laboratory fee, \$3.00. Field trip fee, \$2.50. KUSTER

105. VERTEBRATE ANATOMY. Sem. 1. 2+4, Cr. 4. A comparative study of morphology of vertebrate animals. Lectures, discussions, collateral readings, and laboratory dissection of the principal types, especially shark, necturus, turtle, and cat. Laboratory fee, \$6.00. ELLIOTT

110. VERTEBRATE EMBRYOLOGY. Sem. 2. 2+4, Cr. 4. Lectures and discussions on the embryology of vertebrates in general, with special emphasis on that of birds and mammals. Laboratory work deals with chick and pig. Laboratory fee, \$6.00. ELLIOTT

115. ANATOMY AND PHYSIOLOGY. Sem. 1. 2+4, Cr. 4. This course deals with the fundamentals of anatomy and physiology particularly of the human body. Laboratory work dealing with the physiology of contractile tissues, circulation respiration, digestion, nervous system, and sense organs. Laboratory fee, \$6.00. ELLIOTT

116. ANATOMY AND PHYSIOLOGY. Sem. 2. 2+4, Cr. 4. A general study of the structure and function of the organs and systems of the human body. A course designed especially for physical education, home economics, and general liberal arts students. Laboratory fee, \$6.00. ELLIOTT

117. PLANT PHYSIOLOGY. Sem. 1. 2+4, Cr. 4. A study of plant functions, including photosynthesis, nitrogen assimilation, mineral nutrition, transpiration, respiration, growth, reproduction, and related phenomena occurring within plants. Laboratory fee, \$6.00. KUSTER

120. MICROTECHNIQUE AND METHODS. Sem. 2. 2+4, Cr. 4. A course in the preparation of zoological and botanical slides, together with some study of tissues. Zoology students will emphasize preparation of slides of frog and mammalian tissues; botany students, slides of ferns and seed plants. Majors and prospective teachers in biology will be given instruction in the preparation of a teaching set of slides. Students preparing for medicine, dentistry, and nursing will, in addition, be given instruction in special technique. Laboratory fee, \$6.00. BLOOM

125. GENETICS AND HEREDITY. Sem. 1. 2+2 or 4, Cr. 3 or 4. A study of the essential principles of heredity and variation. Special attention is given to the mechanism and factors of heredity, to variation and to environment in the production of organisms. Human heredity and race improvement are considered. Laboratory fee, \$3.00 per laboratory credit hour. KREKELER

130. ECOLOGY. Sem. 2. 3+2, Cr. 4. The taxonomy, ecology and natural history of local animals and plants. A study of animals and plants in terms of their biotic, physical and physiographic environment. KREKELER

141. BACTERIOLOGY. Sem. 1. 2+4, Cr. 4. A course in general bacteriology, embodying a study of the nature and botanical relationship of bacteria and other micro-organisms; their relation to decomposition, food preservation, and disease. Prerequisite: 8 credit hours in biology or chemistry. Laboratory fee, \$6.00.

BLOOM

191. THE TEACHING OF BIOLOGY. Sem. 1. 2+0, Cr. 2. The aims and methods of teaching biology, botany and zoology in the secondary schools (See Education 191). Prerequisite: 10 credits in the Department of Biology. This course may not be counted toward a major or minor in this department.

ELLIOTT

196-197. BIOLOGICAL PROBLEMS. Either semester. Cr. 1-2. Special problems, under the direction of members of the department, for junior and senior students majoring in biology or zoology. Prerequisite: 20 credits in biology or zoology. Laboratory fee, \$3.00 per credit hour.

THE STAFF

THE DEPARTMENT OF BUSINESS AND ECONOMICS

*Associate Professor Goehring (Head),
Assistant Professor Zimmerman, Mrs. Kruger, Mr. Tank,
Mr. Hage, Mr. Stoner, Mr.*

The aims of this department are: (1) to give its students an introduction to the economic problems of the present social order; (2) to train them in the fundamentals of business; (3) to give them training for advanced work in business and economics in graduate schools; and (4) to train teachers of commercial subjects.

Students may take a major or minor either in business and economics or in economics. The courses in typewriting (Business 3, 4) and in stenography (Business 5, 6) count as elective credit toward the bachelor's degree but do not count as credit toward a major or minor in the department.

MAJOR IN BUSINESS AND ECONOMICS — A major in business and economics consists of Business 41 and 42, Economics 51 and 52, plus 18 credit hours in business and economics.

MAJOR IN ECONOMICS — A major in economics consists of Business 41 and 42, plus 24 credit hours in economics.

Students taking a major in business and economics or in economics must earn: (a) in their freshman year, 6 credits in accounting (Business 41, 42); (b) in their sophomore year, 6 credits in economics (Economics 51, 52). In the freshman year, Business 41 and 42 is substituted for the foreign language, social science, or natural science requirement. The required work in these fields is therefore postponed until the sophomore year.

With the approval of the head of the department, students may count not more than six credit hours of geography toward the major in business and economics or in economics.

MINOR IN BUSINESS AND ECONOMICS — A minor in business and economics consists of Business 41 and 42, Economics 51 and 52, plus 6 credit hours in business and economics.

MINOR IN ECONOMICS — A minor in economics consists of Business 41 and 42, plus 12 credit hours in economics.

CHEMISTRY-COMMERCE — Students who desire to become business managers, purchasing agents, and technical secretaries in the chemical industry require a knowledge of business management and chemistry. The major in chemistry-commerce includes 24 credit hours in business and economics and 24 credit hours in chemistry.

ONE-YEAR COURSE — Students who are interested in a one-year course in business are advised to take Accounting Principles, Principles of Economics, Freshman Composition, Orientation, a natural science,

typewriting, stenography, and Freshman Physical Education & Hygiene. If such students decide to continue their college work, they will receive full credit for their work completed in the freshman year, but must fulfill the remaining degree requirements of the University.

APPROVAL OF SCHEDULES — All students taking a major or a minor in the department and all students planning to teach commercial subjects must have their schedules approved by the head of the department at the beginning of each semester.

COURSES IN BUSINESS

41. **ACCOUNTING PRINCIPLES.** Sem 1. 2+2, Cr. 3. A course developing and giving practical application of the fundamental principles of accounting to the single proprietorship type of business enterprise. Not required of students who have had two years of bookkeeping in high school. Laboratory fee, \$1.00.

KRUGER AND MR.....

42. **ACCOUNTING PRINCIPLES.** Sem. 2. 2+2, Cr. 3. The principles of accounting are applied to the partnership and corporate forms of organizations. Prerequisite: Business 41 or equivalent. Laboratory fee, \$1.00.

KRUGER AND MR.....

51. **INTERMEDIATE ACCOUNTING.** Sem. 1. 2+2, Cr. 3. The purpose of this course is: (1) to review the making and analyzing of statements and (2) to study the valuation and classification of various assets and liabilities. Prerequisite: Business 42. Laboratory fee, \$1.00.

HACE

52. **ADVANCED ACCOUNTING.** Sem. 2. Cr. 3. An advanced course primarily for students who intend to enter the accounting profession. It covers both the theoretical and problem approach to accounting for partnerships, insurance, receiverships, branches, parent and subsidiary relationships. Prerequisite: Business 51.

HACE

101. **COST ACCOUNTING.** Sem. 1. 2+2, Cr. 3. The course includes a simplified presentation of "job order" and "process" cost accounting. The latter part of the course introduces the student to standard costs and a comparison of budgetary and actual costs as applied to the profit and loss statement. Prerequisite: Business 51. Laboratory fee, \$1.00.

MR.

102. **PRINCIPLES OF AUDITING.** Sem. 2. 2+2, Cr. 3. This course deals with the application of accounting theory and practice to the procedure followed in performing the various steps in balance-sheet, detailed, and special audits. Prerequisite: Business 52. Laboratory fee, \$1.00.

HACE

103. **BUDGETARY ACCOUNTING.** Sem. 1. Cr. 2. A study of the principles of fund accounting and their application to governmental and business enterprises. Prerequisite: Business 52. Alternates with Economics 71. Offered in 1948-49.

HACE

104. **INCOME TAX ACCOUNTING.** Sem. 2. Cr. 2. A study of the underlying principles of income taxation and the special accounting problems involved in the determination of the tax liability of individuals, proprietorships, partnerships, and corporations. Prerequisite: Business 52. Alternates with Economics 72. Offered in 1948-49.

HACE

105. **BUSINESS FINANCE.** Sem. 1. Cr. 3. This course deals with the administrative and managerial problems of promoting and financing business enterprises. Prerequisite: Business 42 and Economics 52.

GOEHRING

107. **STATISTICS.** Sem. 1. 2+2, Cr. 3. This course considers the elementary principles of the statistical method and the application of the principles of statistics to business and economic problems. The laboratory material consists of exer-

cises and problems. Prerequisite: Business 42 and Economics 52. Laboratory fee, \$1.00. HAGE

121. PRINCIPLES OF MARKETING. Sem. 1. Cr. 3. A study of market functions, structures, institutions, trade channels, middlemen, commodity exchanges, whole-sale stores, retail stores, chain stores, department stores, mail order houses, co-operatives, marketing methods, market forces, speculation, price policies, market analysis, and the co-ordination of marketing policies. Prerequisite: Business 42 and Economics 52. HAGE

122. MARKET ADMINISTRATION. Sem. 2. Cr. 3. A study of sales organizations, the management of sales forces, selling methods, market analysis, market research, formation of policies, the ethics of salesmanship, and a survey of the literature on selling and purchasing. Prerequisite: Business 121. HAGE

131. BUSINESS LAW. Sem. 1. Cr. 3. A study of the basic legal principles of business transactions, including the law of contracts, sales, negotiable instruments, agency, partnerships, corporations, and real property. Prerequisite: sophomore standing. HAGE

132. BUSINESS LAW. Sem. 2. Cr. 3. A continuation of Business 131. Prerequisite: sophomore standing. HAGE AND STONER.

142. PERSONNEL MANAGEMENT. Sem. 2. Cr. 3. A consideration of the organization, the policies, and the procedures used in managing the personnel of a business enterprise. Prerequisite: Business 42 and Economics 52. Alternates with Business 144. Offered in 1948-49. HAGE

144. PRODUCTION MANAGEMENT. Sem. 2. Cr. 3. A survey of the major organizational and managerial problems of the production departments of manufacturing enterprises. Prerequisite: Business 42 and Economics 52. Alternates with Business 142. Not offered in 1948-49. HAGE

152. BUSINESS ORGANIZATION AND MANAGEMENT. Sem. 2. Cr. 3. A correlation of the subject matter of the other courses offered in the department. The application of the principles of business to specific problems in office management, financing, risk-bearing, selling, purchasing, traffic, personnel, and internal control. Prerequisite: junior standing. GOEHRING

154. PRINCIPLES OF INSURANCE. Sem. 2. Cr. 3. This course includes: the historical development, the fundamental principles, the types of insurance carriers, the organization of the business, the classes of insurance, insurance law, insurance contract rates and hazards, and insurance finance. Prerequisite: junior standing. GOEHRING

162. SPECULATION AND INVESTMENTS. Sem. 2. Cr. 2. A general survey of the organization of commodity and security exchanges; the technique of buying and selling; the general principles of investment; the classification of securities; the function of the investment banker; the sources of information; the methods of reducing and shifting the risk. Prerequisite: Business 105. Alternates with Economics 172. Offered in 1948-49. GOEHRING

191. THE TEACHING OF COMMERCIAL SUBJECTS. Cr. 2. A survey of the problems in the field of business education for teachers, and the methods which may be used in teaching the various commercial subjects. (See Education 191.) Prerequisite: senior standing in business and education. This course may not be counted toward a major or minor in this department. (Given upon sufficient demand.) Mr.....

199. PRO-SEMINAR IN BUSINESS AND ECONOMICS. Cr. 1-3. Each student, with the advice of the instructor, will choose a topic for intensive study. Prerequisite: 30 hours in Business and Economics with a B average. THE STAFF

COURSES IN SECRETARIAL WORK

3. **BEGINNING TYPEWRITING.** Each semester. 0+5, Cr. 3. (Only 1 credit may be counted toward graduation.) This course is open to all students in the University. Typewriting fee, \$4.50. ZIMMERMAN

4. **ADVANCED TYPEWRITING.** Each semester. 0+5, Cr. 3. (Only 1 credit may be counted toward graduation.) Continuation of Course 3. Credit withheld until a 35-words-per-minute test has been passed. Typewriting fee, \$4.50. ZIMMERMAN

5. **BEGINNING STENOGRAPHY.** Each semester. 0+5, Cr. 3. (Only 1 credit may be counted toward graduation.) Thorough study and practice of Gregg Short-hand. Open to all students. ZIMMERMAN

6. **ADVANCED STENOGRAPHY AND SECRETARIAL TRAINING.** Each semester. 0+5, Cr. 1. An advanced course which emphasizes the development of speed, phrasing, transcribing, business English, and the general duties of a private secretary. This course is correlated with advanced typewriting. ZIMMERMAN

COURSES IN ECONOMICS

51. **PRINCIPLES OF ECONOMICS.** Sem. 1. Cr. 3. A study of the fundamental concepts, the institutional arrangements, and the general principles governing the production and distribution of wealth and income under the existing economic organization and under other economic systems. Not open to freshmen in Business or Economics unless they have had either a course in economics or one year of book-keeping in high school or some other institution. TANK AND STONER

52. **PRINCIPLES OF ECONOMICS.** Sem. 2. Cr. 3. A continuation of Economics 51. Prerequisite: Economics 51. TANK

71. **THE ECONOMICS OF COOPERATIVE MARKETING.** Sem. 1. Cr. 3. An analysis of the theories, methods, and techniques of producer, consumer, and financial co-operative enterprises; and a consideration of the historical, economic, legal, and social aspects of the cooperative movement. Prerequisite: Economics 52. Alternates with Business 103. Not offered in 1948-49. HACE

72. **COOPERATIVE MOVEMENTS.** Sem. 2. Cr. 3. A discussion of the philosophy and economic concepts of the farmer cooperative movement, a review of its history and economic development, an evaluation of the major cooperative developments in the fields of marketing, purchasing, and farm services, and an appraisal of its future role in American agriculture. Prerequisite: Economics 71. Alternates with Business 104. Not offered in 1948-49. HACE

141. **LABOR PROBLEMS.** Sem. 1. Cr. 3. A survey course dealing with: (1) the history of labor and the main forces underlying the labor problem; (2) the approach of workers and employers to the labor problem; (3) the development of trade unions and collective bargaining; and (4) government regulation of labor relationships. Prerequisite: Economics 52. Alternates with Economics 145. Offered in 1948-49. TANK

142. **LABOR LEGISLATION.** Sem. 2. Cr. 3. A survey of the protective legislation dealing with wages, hours, child labor, old age benefits, accident and unemployment compensation. The legal status of trade unions and their activities is included in this course. Prerequisite: Economics 141. Alternates with Economics 146. Offered in 1948-49. TANK

143. **BUSINESS AND GOVERNMENT.** Sem. 1. Cr. 3. A survey of government regulation of public and private business; the regulation of competition and monopoly; the regulation of public utilities; the principles of valuation and rate-making; public activities of business organizations; cooperation between government and business; and elements of a sound national policy toward business. Prerequisite: Economics 52 and junior standing. Alternates with Economics 155. Not offered in 1948-49. GOEHRING

145. **PRINCIPLES OF INLAND TRANSPORTATION.** Sem. 1. Cr. 3. A survey of inland transportation with special attention to the historical, economic and public control aspects of the various types of carrying agents. Prerequisite: Economics 52 and junior standing. Alternates with Economics 141. Not offered in 1948-49.

TANK

146. **ECONOMIC HISTORY OF THE UNITED STATES.** Sem. 2. Cr. 3. A general survey of the leading facts pertaining to the discovery and colonization of America; the economic background of the Revolution; the formation of the Federal Government; the development of agriculture, industry, and commerce; the economic background of the Civil War; population, public lands, public finance, tariff, railroads, banking, labor organization, the rise of Big Business, the World Wars, and economic reconstruction. Prerequisite: Economics 52. Alternates with Economics 142. Not offered in 1948-49.

TANK

152. **MONEY AND BANKING.** Sem. 2. Cr. 3. A survey of the theories and principles of money and banking; the monetary standards; the Federal Reserve System; the principles of foreign exchange; and the relation of the medium of exchange to the processes by which changes in price levels and business conditions are brought about. Prerequisite: Business 42 and Economics 52. GOEHRING

155. **ECONOMICS OF TAXATION.** Sem. 1. Cr. 3. A study of the general principles of public revenues, public expenditures, public indebtedness, fiscal administration, and of the principles of equity in the distribution of tax burdens. Prerequisite: Economics 152. Alternates with Economics 143. Offered in 1948-49.

GOEHRING

171. **BUSINESS CYCLES.** Sem. 1. Cr. 3. A description of cyclical behavior, a survey of business cycle theories, and an analysis of proposed methods of control. Prerequisite: Business 107 and Economics 152. Alternates with Economics 181. Offered in 1948-49.

GOEHRING

172. **FOREIGN EXCHANGE.** Sem. 2. Cr. 2. A study of foreign exchange and trade, international payments and trade problems connected therewith, money and banking in their international aspects, and international indebtedness. Prerequisite: Economics 152. Alternates with Business 162. Not offered in 1948-49.

GOEHRING

181. **ECONOMIC THEORY.** Sem. 1. Cr. 3. A critical study of leading problems in value and distribution with reference to the more significant modern schools of economic thought. Prerequisite: Eighteen credits in Economics and senior standing. Alternates with Economics 171. Not offered in 1948-49.

GOEHRING

199. **PRO-SEMINAR IN ECONOMICS.** Cr. 1-3. Each student, with the advice of the instructor, will choose a topic for intensive study. Prerequisite: 30 hours in Economics with a B average.

THE STAFF

THE DEPARTMENT OF CHEMISTRY

Professor Thrun (Head)

Assistant Professor Larson, Mr. Stokes, Mr. Schwan

The work of this department is arranged to meet the needs of students who are preparing (a) to enter the chemical profession or take up graduate studies in chemistry, (b) to become physicians or dentists, (c) to teach chemistry; and of liberal arts students who desire a general knowledge of chemistry.

CHEMISTRY-COMMERCE—Men who plan to become business managers, purchasing agents, or technical secretaries in chemical industry require a knowledge of business management and chemistry. The major in chemistry-commerce includes 24 credit hours in business and economics, approved by the Head of the Department of Business and Economics, and 24 credit hours in chemistry.

MAJORS—The department offers two majors. The major preparing for the graduate study of chemistry requires one unit of high school algebra and one of geometry, a total of 40 credits in chemistry including courses 63, 104, 138, 162, and 170, differential and integral calculus and one year of physics. Students taking this major should elect German as their foreign language. Social science must be postponed in the sophomore year in favor of Math. 51.

The major of 24 credits should include Qualitative Analysis, at least one semester of Organic Chemistry, and Volumetric Analysis. Bacteriology may be counted toward this major in chemistry.

MINOR—Fourteen credits are required for a minor in this department. In addition to Qualitative Analysis, either Organic Chemistry or Volumetric Analysis should be elected.

APPROVAL OF SCHEDULES—All students taking a major or a minor in the department and all students planning to teach chemistry must have their schedules approved by the head of the department at the beginning of each semester.

COURSES IN CHEMISTRY

51. **GENERAL CHEMISTRY.** Sem. 1 and 2. 3+2, Cr. 4. Fundamental concepts, laws, and theories are studied by means of lectures, oral quizzes, and experiments. Laboratory fee, \$8.00. Ten sections.

THE STAFF

54. **INORGANIC CHEMISTRY.** Sem. 1 and 2. 3+0, Cr. 3. The same as course 56, but no laboratory work is included. Usually accompanied by Course 60. Prerequisite: Chemistry 51.

THE STAFF

56. **INORGANIC CHEMISTRY.** Sem. 2. 3+3, Cr. 4. A continuation of Chemistry 51. The properties of the atoms are studied in the light of the most recent knowledge. Important chemical reactions and the principles of qualitative analysis are discussed. The importance of chemistry in our civilization is discussed, as the occasion warrants. The course includes three hours of laboratory work in semi-micro qualitative analysis. Prerequisite: Chemistry 51. Laboratory fee, \$8.00. Eight sections.

THE STAFF

60. QUALITATIVE ANALYSIS. Sem. 2. 0+6 or 0+9, Cr. 2 or 3. Study of separation and identification of all important cations and anions. To accompany Chemistry 54. Prerequisite: Chemistry 51. Laboratory fee, \$10.00.

STOKES AND SCHWAN

63. QUALITATIVE ANALYSIS. Sem. 1. and 2. 2+6, Cr. 4. Chemical equilibria and semi-micro qualitative analysis. Prerequisite: Chemistry 56. Laboratory fee, \$8.00.

STOKES

64. CHEMICAL EQUILIBRIA. Sem. 1 and 2. 2+0, Cr. 2.

103. ORGANIC CHEMISTRY. Sem. 1. 3+6, Cr. 5. A study of the aliphatic carbon compounds and a very brief introduction to aromatic compounds. Prerequisite: at least 7 credit hours in chemistry. Laboratory fee, \$10.00.

LARSON

104. ORGANIC CHEMISTRY. Sem. 2. 2+6, Cr. 4. Continuation of Chemistry 103. Aromatic compounds are studied. One hour of a laboratory period each week is devoted to oral and written quizzes. Laboratory fee, \$10.00.

LARSON

112. QUANTITATIVE ANALYSIS, VOLUMETRIC. Sem. 2. 2+6, Cr. 4. Discussions, problems, and laboratory work comprising the following: analytical weighing, calibration of measuring vessels; normality and titre of standard solutions; pH, activity coefficient, indicators, buffers; volumetric precipitation methods; oxidation and reduction methods and indicators; principles of colorimetric analysis. Prerequisite: Qualitative Analysis. Laboratory fee, \$10.00.

THRUN

113. QUANTITATIVE ANALYSIS, GRAVIMETRIC. Sem. 1. 1+6 or 9, Cr. 3 or 4. Problems of gravimetric analysis and solubility product; purity of precipitates. Inorganic samples are analyzed. An electrolytic analysis is performed. Prerequisite: Qualitative Analysis. Laboratory fee, \$8.00.

THRUN

138. BIO-CHEMISTRY. 3+3, Cr. 4. The chemistry of proteins, carbohydrates, and fats, and the changes these undergo during processes of digestion and metabolism; brief consideration of enzymes and vitamins. Special emphasis is placed upon the application of colloid chemistry to problems in bio-chemistry. Prerequisite: Chemistry 103 and 112. Laboratory fee, \$10.00.

THRUN

161. PHYSICAL AND THERORETICAL CHEMISTRY. Sem. 1. 3+3, Cr. 4. Prerequisite: Physics 52, Chemistry 112, and Mathematics 112. Laboratory fee, \$8.00.

LARSON

162. PHYSICAL AND THEORETICAL CHEMISTRY. Sem. 2. 3+3, Cr. 4. Prerequisite: Chemistry 161. Laboratory fee, \$8.00.

LARSON

170. SPECIAL PROBLEMS IN CHEMISTRY. Either semester. Cr. 2 or 3. A course for seniors in chemistry. Each student attacks an elementary research problem, first by study of the literature in Chemical Abstracts and other sources, then by work in the laboratory. A translation of a German or French chemical paper is also required. A written report is required. Laboratory fee, \$1.00 per credit hour.

THE STAFF

191. THE TEACHING OF CHEMISTRY. Cr. 2. A study of the methods of teaching chemistry in secondary schools. Laboratory demonstrations and reference reading; problems relating to laboratory construction and equipment; standard tests (See Education 191). Prerequisite: Chemistry 103. This course may not be counted toward a major or minor in this department. (Given upon sufficient demand.)

200. FACULTY-STUDENT SEMINAR. Either Semester. Cr. 0. All forty-credit Chemistry majors except freshmen are required to attend. Seniors and juniors are expected to take active part with the staff in reporting research of their own or research published in journals on chemistry.

THE DEPARTMENT OF EDUCATION AND PSYCHOLOGY

*Professor Lindberg (Head), Assistant Professor Schwanholt,
Mr. Waldschmidt, Mr. Phillips*

Work in this department is integrated toward the following purposes:

1. To stimulate the ideal of Christian culture and service in the field of Education.
2. To meet the professional needs of the students preparing to teach in the public schools.
3. To qualify students for a Bachelor of Arts degree with a major or minor in Psychology or a minor in Education.

APPROVAL OF SCHEDULES — All students planning to teach and all students taking a major or a minor in the department must have their schedules approved by the head of the department at the beginning of each semester. Approval of the head of the department is also required for admission to courses numbered 100 and above.

EDUCATION

ACCREDITMENT — The College of Arts and Sciences is approved by the State Board of Education of Indiana as a class "A" teacher training institution with standard accreditation and offers teacher training curricula which will meet the certification requirements of all states except those which require Masters' degrees.

All professional courses in educational methods listed by other departments in the College of Arts and Sciences are given under the supervision of the Department of Education and Psychology.

All students who expect to teach should consult with the head of this department as early as possible concerning adjustments in programs of study to meet certification requirements of the states in which they plan to teach. Copies of the current certification requirements of all states are on file in the office of this department.

SUPERVISED TEACHING — Arrangements are maintained with the Board of Education of the Valparaiso Public Schools for supervised teaching in its secondary schools. Similar arrangements are also made with selected county schools when the need arises.

Practice teaching is under the general supervision of the Director of Supervised Teaching, but the class work is under the direct supervision of the Assistant Director and the critic teachers. After a period of directed observation, student teachers are placed in immediate charge of classes and are responsible for the successful progress of their work. This work, as a rule, includes the responsibility for instruction, management, and grading of the class.

Applicants for certificates desiring to enroll in this course should have a grade point average of at least 1.5 in the area in which supervised teaching is to be done. Before students enroll for supervised teaching in a high school subject they must have the approval of the Head of the Department of Education and Psychology. Students must make application for admission to supervised teaching on forms which will be furnished by the Department of Education and Psychology. A laboratory fee is charged for this course.

The mere completion of the prescribed courses outlined in the Department of Education does not guarantee that the student will be recommended for a teaching certificate. The quality of the work done and the ability and personality of the student will also be considered when determining whether or not an applicant is to be recommended for a teaching certificate.

MINOR — Eighteen credits are required for a minor in Education.

COURSES IN EDUCATION

62. PUBLIC EDUCATION. Sem. 2. Cr. 3. An introduction to education offering a full view of the American system of education with special emphasis upon the opportunities and responsibilities of educational workers. SCHWANHOLT

64. HISTORY OF EDUCATION. Sem. 2. Cr. 2. A survey of the development of educational theory and practice, beginning with the Greek and Roman periods, with the chief emphasis on the eighteenth and nineteenth century forces which have resulted in the creation of our modern American public school system.

118. GENERAL METHODS IN SECONDARY EDUCATION. Sem. 2. Cr. 2. This course is designed to give a knowledge of the development of general methods of school management, organization and administration of curricular and extracurricular activities. SCHWANHOLT

121. STATISTICAL METHODS AND MEASUREMENTS. Sem. 1. Cr. 3. An introductory course dealing with the techniques of treating group values through mathematical tabulation, measurement and correlations. Special emphasis is given to the principles governing the use and construction of tests, examinations and methods of group and individual evaluations. SCHWANHOLT

161. PRINCIPLES OF TEACHING IN THE SECONDARY SCHOOL. Sem. 1. Cr. 3. A course dealing with the following general topics: the fundamental principles of teaching; a survey of important methods and types of teaching; problems of technique; class organization and management. LINDBERG

162. AUDIO-VISUAL EDUCATION. Sem. 2. 1+2, Cr. 2. This course is a study of the principles and techniques underlying auditory and visual aids to classroom teaching and offers laboratory experience in their uses. Laboratory fee, \$2.00. SCHWANHOLT

164. GUIDANCE IN THE SECONDARY SCHOOL. Sem. 2. Cr. 2. A course in educational and vocational guidance, personnel work and counseling in the secondary schools.

172. EDUCATIONAL SOCIOLOGY. Sem. 2. Cr. 2. A theoretical and practical course which sets forth the school as a social institution for the advancement of group enterprises and the improvement of institutional efficiency. The social viewpoint is carried into the treatment of every phase of school work, including the determination of objectives, administrative policies, curriculum, discipline, and methods of instruction. LINDBERG

181. SCHOOL ADMINISTRATION. Sem. 1. Cr. 2. A study of the basic principles of external and internal school organization and administration.

SCHWANHOLT

191. THE PROFESSIONAL ACADEMIC COURSE IN SECONDARY EDUCATION. Cr. 2. This course is administered by the Department of Education. It is given in the various departments of the College of Arts and Sciences under the following titles:

The Teaching of Biology.	The Teaching of Social Studies.
The Teaching of Commercial Subjects.	The Teaching of Home Economics.
The Teaching of Chemistry.	The Teaching of Mathematics.
The Teaching of English.	Elementary School Music Methods 109-10.
The Teaching of French.	High School Music Methods 191-192.
The Teaching of Geography.	The Teaching of Physical Education.
The Teaching of German.	The Teaching of Physics.
The Teaching of Spanish.	

MEMBERS OF THE VARIOUS DEPARTMENTS

193-194. SUPERVISED TEACHING IN SECONDARY SCHOOL SUBJECTS. Each semester. Cr. 5. The observation and practice work is done in the secondary school under the direction of a critic teacher and the assistant director of supervised teaching. One-third of the course is devoted to observation and two-thirds to classroom teaching. Regular conferences with the critic teacher and the director of student teaching are required. Eligibility: See special paragraph on Supervised Teaching under the general statement above. Fee, \$35.00.

PHILLIPS

PSYCHOLOGY

Psychology 51 is required for a major or minor in Psychology, for students planning to teach, and for students taking the pre-medical program. Other students will take Psychology 52. A course in Statistical Methods and Measurements is also required for majors or minors in Psychology.

MAJOR — Twenty-four credit hours are required for a major in Psychology.

MINOR—Fifteen credit hours are required for a minor in Psychology.

COURSES IN PSYCHOLOGY

51. GENERAL PSYCHOLOGY. Each Sem. 2+2, Cr. 3. This course is an introduction to the general field of psychology with special emphasis upon the scientific methods of approach. Laboratory experimentation is planned to parallel class discussions. Sophomore standing necessary for enrollment in this course. Laboratory fee, \$2.00.

WALDSCHMIDT

52. PSYCHOLOGY OF PERSONAL ADJUSTMENT. Sem. 2. Cr. 3. This course is a systematic treatment of the principles of the dynamic psychology of human adjustments, motivations and personality development.

LINDBERG

58. THE PSYCHOLOGY OF MARRIAGE AND FAMILY RELATIONSHIPS. Sem. 2. Cr. 2. A study of personality with emphasis upon the development of those traits which will lead toward more satisfactory adjustments in the social relationships of the family.

LINDBERG

101. EDUCATIONAL PSYCHOLOGY. Each Sem. Cr. 3. This course applies the principles of psychology to the problems of teaching and learning. Attention is constantly directed to the child as a developing social being that is highly capable of being controlled through proper motivation. Considerable emphasis is given to the study of experimental research dealing with the processes and products of learning.

SCHWANHOLT

106. SOCIAL PSYCHOLOGY. Sem. 2. Cr. 3. The influence of social interaction in the building of personality. (Offered by the Department of Sociology.)

107. DEVELOPMENTAL PSYCHOLOGY. Each Sem. Cr. 3. (Formerly 107, Psychology of Childhood, and 108, Psychology of Adolescence.) A study of the various aspects of the growth process from birth through childhood and adolescence. Special emphasis is placed upon the guidance and control of character development.

LINDBERG

109. COMPARATIVE PSYCHOLOGY. Sem. 1. Cr. 3. The origin and development of the various schools of psychological thought and their interaction upon each other.

WALDSCHMIDT

110. EXPERIMENTAL PSYCHOLOGY. Sem. 2. 1+4, Cr. 3. A first course in the scientific methods of laboratory experimentation as applied to the fields of psychological study. Laboratory fee, \$5.00. Prerequisite: Six hours in psychology.

WALDSCHMIDT

111. PSYCHOLOGY OF THE ABNORMAL. Sem. 1. Cr. 3. A general survey of the functional disorders of abnormal and borderline personalities, therapeutic methods of treatment, and observation of institutional cases. Prerequisite: 9 hours of psychology.

LINDBERG

112. METHODS OF CLINICAL PSYCHOLOGY. Sem. 2. 2+2, Cr. 3. The meaning and nature of clinical psychology; types of behavior disorders encountered; techniques of diagnosis and treatment. Prerequisite: 12 hours of psychology.

WALDSCHMIDT

THE DEPARTMENT OF ENGINEERING

*Professor Uban (Acting Head), Professor Moody, Mr. Reuss,
Mr. Kruger*

The primary aim of this department is to give students a broad foundation in both the theory and practice of engineering.

LABORATORIES — Instruction in engineering is centralized in the Engineering Building. In this building are found the offices, recitation and lecture rooms, drafting rooms, shops and laboratories.

ADVANTAGES OF LOCATION — Valparaiso University is located forty-four miles from Chicago, the world's greatest railroad center and the foremost industrial center of the United States. Students are, therefore, within easy reach of engineering work of the first magnitude.

INSPECTION TRIPS — Inspection trips for visiting industrial plants are required of all engineering students. These trips are arranged and conducted by members of the engineering faculty and are designed to correlate the work of the department with the industries visited.

APPROVAL OF SCHEDULES — All engineering students must have their schedules approved by one of the Advisers for Engineering Students at the beginning of each semester.

CO-OPERATIVE PLANS—Valparaiso University has concluded arrangements with Purdue University for two co-operative plans for engineering education. These plans include curricula in the following fields: Civil Engineering, Electrical Engineering, Mechanical Engineering, Aeronautical Engineering, and Chemical Engineering.

The two plans are identical so far as engineering instruction is concerned. Plan I differs from Plan II in that it gives the student a much broader cultural education and that it gives him a liberal arts degree in addition to a degree in engineering.

ANNOUNCEMENTS OF NEW CURRICULA — *As soon as facilities permit, four-year curricula in Civil, Electrical, and Mechanical Engineering will be offered leading to the Bachelor of Science in those fields.*

* * *

PLAN I

Students choosing Plan I will spend three years (six semesters) at Valparaiso and two years (four semesters) plus one summer session at Purdue. At Valparaiso they will complete the engineering courses normally completed by Purdue students in their first two years plus the cultural and religious courses required by Valparaiso of all candidates for the B.A. degree. At Purdue they will take the specialized engineering courses normally taken in the last two years of an engineering course. Students completing this curriculum will receive two degrees, the B.A.

from Valparaiso and the B.S. in Civil, Electrical, Mechanical, Aeronautical, or Chemical Engineering from Purdue.

PLAN II

Students choosing Plan II will spend two years (four semesters) at Valparaiso and two years (four semesters) plus one summer session at Purdue. At Valparaiso they will complete the engineering courses normally completed by Purdue students in their first two years plus the religion required by Valparaiso. At Purdue they will take the specialized engineering courses normally taken in the last two years of an engineering course. Students completing this curriculum will receive the degree of B.S. in Civil, Electrical, Mechanical, Aeronautical, or Chemical Engineering from Purdue.

* * *

CHOICE OF PLAN — Every student enrolling for an engineering curriculum at Valparaiso University must choose the plan he wishes to follow when he matriculates at the beginning of his freshman year.

GRADE REQUIREMENTS — The satisfactory completion of any one of the curricula in engineering offered by Valparaiso University entitles the student to admission to Purdue University with junior rank. To be recommended for admission to Purdue, the student must have at least C in three-fifths of his work. A student who is on scholastic probation will not be recommended for admission to Purdue University.

BACHELOR OF ARTS DEGREE — To be eligible for the degree of Bachelor of Arts, an engineering student choosing Plan I must fulfill the following requirements: (1) he must complete all the required courses of his Valparaiso curriculum; (2) he must earn at least 112 semester credits and 112 quality points at Valparaiso University; (3) he must earn, in addition, at least 32 semester credits and 32 quality points at Purdue University or at another approved technological school.

SPECIAL REQUIREMENTS IN CHEMICAL ENGINEERING — Students who fail to receive at least a grade of C in Chemistry 51, 56, 63, and 112 will not be permitted to continue in the curriculum in Chemical Engineering.

AERONAUTICAL ENGINEERING

Students choosing Aeronautical Engineering follow the curriculum of Mechanical Engineering for the first two academic years. At the end of the sophomore year, the student transfers to Purdue University. During the summer following the sophomore year, he must attend the General Summer Aircraft Shops at Purdue. The next four semesters provide training in the application of the fundamental sciences to aeronautical engineering problems.* Successful completion of the curriculum leads to the degree of B.S. in Aeronautical Engineering. (In two

*In some instances, an additional summer session of 8 weeks may be required.

additional semesters, the student can also fulfill the requirements of a degree in Mechanical Engineering.) A fifth year leading to a Master's degree in Aeronautical Engineering is advised for students planning to enter technical or design work in this field.

THE CURRICULA IN ENGINEERING

PLAN I (Five-Year Plan)

FRESHMAN YEAR

(All Engineering Curricula)

<i>First Semester</i>			<i>Second Semester</i>		
		Cr.			Cr.
Eng.	1. Engineering Lectures ..	0	Eng.	2. Engineering Prob-	
Math.	61. Engineering Mathe-		Math.	62. Engineering Mathe-	0
	matics	5		matics	5
Chem.	51. General Chemistry	4	Chem.	56. Inorganic Chemistry ..	4
Engl.	1. Freshman Composi-		Engl.	2. Freshman Composi-	
	tion	3		tion	3
	Religion	2		Religion	2
Phys. Ed.	1. Freshman Physical		Phys. Ed.	2. Freshman Physical	
	Education and			Education and	
	Hygiene	1		Hygiene	1
	Modern Foreign			Modern Foreign	
	Language	3		Language	3
Sociol.	1. Orientation	0			
		<hr/>			<hr/>
		18			18

CIVIL ENGINEERING

SOPHOMORE YEAR

<i>First Semester</i>			<i>Second Semester</i>		
		Cr.			Cr.
Eng.	11. Engineering Drawing ..	2	Eng.	12. Engineering Drawing ..	2
Eng.	57. Shop Laboratory:		Eng.	16. Plane Surveying	
	Founding and Pat-			or	
	tern Making		Eng.	57. Shop Laboratory:	
	or			Founding and	
Eng.	16. Plane Surveying	2		Pattern Making	2
Math.	111. Differential Calculus ..	4	Math.	112. Integral Calculus	4
Engl.	51. Survey of English		Engl.	52. Survey of English	
	Literature	3		Literature	3
Econ.	51. Principles of Eco-		Econ.	52. Principles of Eco-	
	nomics	3		nomics	3
	Modern Foreign			Modern Foreign	
	Language	3		Language	3
Phys. Ed.	51. Sophomore Physical		Phys. Ed.	52. Sophomore Physical	
	Education	1		Education	1
	Non-technical			Non-technical	
	Elective	2		Elective	2
		<hr/>			<hr/>
		20			20

JUNIOR YEAR

<i>First Semester</i>			<i>Second Semester</i>		
		<i>Cr.</i>			<i>Cr.</i>
Phys.	61. Technical Physics	5	Phys.	62. Technical Physics	5
Eng.	15. Descriptive Geometry..	2	Eng.	60. Applied Mechanics	5
	Social Science	3		Social Science	3
Bus.	41. Accounting Principles..	3	Bus.	42. Accounting Principles..	3
Eng.	59. Shop Laboratory:			Non-technical	
	Machine Tool Work..	2		Elective.....	3
	Religion.....	2			
	Non-technical				
	Elective.....	2			
		<hr/> 19			<hr/> 19

NOTE: During the summer following the completion of this curriculum, students must attend the Civil Engineering Camp at Purdue.

ELECTRICAL ENGINEERING

SOPHOMORE YEAR

<i>First Semester</i>			<i>Second Semester</i>		
		<i>Cr.</i>			<i>Cr.</i>
Eng.	11. Engineering Drawing..	2	Eng.	12. Engineering Drawing..	2
Eng.	57. Shop Laboratory:		Eng.	16. Plane Surveying	
	Founding and Pat-			or	
	tern Making		Eng.	57. Shop Laboratory:	
	or			Founding and Pat-	
Eng.	16. Plane Surveying	2		tern Making	2
Math.	111. Differential Calculus ..	4	Math.	112. Integral Calculus	4
Engl.	51. Survey of English		Math.	172. Differential Equations..	3
	Literature.....	3	Engl.	52. Survey of English	
Econ.	51. Principles of Eco-			Literature.....	3
	nomics.....	3	Econ.	52. Principles of Eco-	
	Modern Foreign			nomics.....	3
	Language.....	3		Modern Foreign	
Phys. Ed.	51. Sophomore Physical			Language.....	3
	Education.....	1	Phys. Ed.	52. Sophomore Physical	
	Non-technical			Education.....	1
	Elective.....	2			
		<hr/> 20			<hr/> 21

JUNIOR YEAR

<i>First Semester</i>			<i>Second Semester</i>		
		<i>Cr.</i>			<i>Cr.</i>
Phys.	61. Technical Physics	5	Phys.	62. Technical Physics	5
	Social Science	3	Eng.	60. Applied Mechanics	5
Bus.	41. Accounting Principles	3		Social Science	3
Eng.	59. Shop Laboratory:		Bus.	42. Accounting Principles	3
	Machine Tool Work..	2	Eng.	72. Direct-Current	
	Religion.....	2		Machines	4
Eng.	71. Electric and Magnetic				
	Circuits.....	4			
		<hr/> 19			<hr/> 20

NOTE: During the summer following the completion of this curriculum, students must attend the Electrical Shop at Purdue.

MECHANICAL ENGINEERING

SOPHOMORE YEAR

<i>First Semester</i>			<i>Second Semester</i>		
		<i>Cr.</i>			<i>Cr.</i>
Eng.	11. Engineering Drawing ..	2	Eng.	12. Engineering Drawing ..	2
Eng.	57. Shop Laboratory: Founding and Pattern Making or		Eng.	16. Plane Surveying	
Eng.	16. Plane Surveying	2	Eng.	57. Shop Laboratory: Founding and Pattern Making	2
Math.	111. Differential Calculus ..	4	Math.	112. Integral Calculus	4
Engl.	51. Survey of English Literature.....	3	Engl.	52. Survey of English Literature.....	3
Econ.	51. Principles of Eco- nomics.....	3	Econ.	52. Principles of Eco- nomics.....	3
	Modern Foreign Language	3		Modern Foreign Language	3
Phys. Ed.	51. Sophomore Physical Education.....	1	Phys. Ed.	52. Sophomore Physical Education.....	1
	Non-technical Elective.....	2			
		<hr/> 20			<hr/> 18

JUNIOR YEAR

<i>First Semester</i>			<i>Second Semester</i>		
		<i>Cr.</i>			<i>Cr.</i>
Phys.	61. Technical Physics	5	Phys.	62. Technical Physics	5
Eng.	15. Descriptive Geo- metry.....	2	Eng.	60. Applied Mechanics	5
	Social Science	3		Social Science	3
Bus.	41. Accounting Principles	3	Bus.	42. Accounting Principles	3
Eng.	59. Shop Laboratory: Machine Tool Work..	2	Eng.	54. Elementary Heat Power	4
	Religion.....	2			
	Non-technical Elective	2			
		<hr/> 19			<hr/> 20

NOTE: During the summer following the completion of this curriculum, students must attend the Mechanical Engineering Shop at Purdue.

CHEMICAL ENGINEERING

SOPHOMORE YEAR

<i>First Semester</i>			<i>Second Semester</i>		
		<i>Cr.</i>			<i>Cr.</i>
Eng.	11. Engineering Drawing ..	2	Eng.	12. Engineering Drawing ..	2
Chem.	63. Qualitative Analysis ..	4	Chem.	112. Quantitative Analysis, Volumetric.....	4
Math.	111. Differential Calculus ..	4	Math.	112. Integral Calculus	4
Engl.	51. Survey of English Literature.....	3	Engl.	52. Survey of English Literature.....	3
Econ.	51. Principles of Eco- nomics.....	3	Econ.	52. Principles of Eco- nomics.....	3
	Modern Foreign Language	3		Modern Foreign Language	3
Phys. Ed.	51. Sophomore Physical Education.....	1	Phys. Ed.	52. Sophomore Physical Education.....	1
		<hr/> 20			<hr/> 20

JUNIOR YEAR

<i>First Semester</i>			<i>Second Semester</i>		
		Cr.			Cr.
Phys.	61. Technical Physics	5	Phys.	62. Technical Physics	5
Chem.	113. Quantitative Analysis, Gravimetric	4	Eng.	60. Applied Mechanics	5
	Social Science	3		Social Science	3
Bus.	41. Accounting Principles	3	Bus.	42. Accounting Principles	3
Eng.	59. Shop Laboratory: Machine Tool Work..	2	Eng.	16. Plane Surveying	2
	Religion.....	2		Non-technical Elective.....	2
		<hr/> 19			<hr/> 20

NOTE: During the summer following their first year at Purdue, chemical engineering students must attend the Purdue Chemical Engineering Summer School.

PLAN II (Four-Year Plan)
FRESHMAN YEAR
(All Engineering Curricula)

<i>First Semester</i>			<i>Second Semester</i>		
		Cr.			Cr.
Eng.	1. Engineering Lectures ..	0	Eng.	2. Engineering Problems..	0
Eng.	11. Engineering Drawing ..	2	Eng.	12. Engineering Drawing ..	2
Math.	61. Engineering Mathe- matics	5	Math.	62. Engineering Mathe- matics	5
Eng.	57. Shop Laboratory: Founding and Pattern Making or		Eng.	16. Plane Surveying or	
Eng.	16. Plane Surveying	2	Eng.	57. Shop Laboratory: Founding and Pattern Making	2
Chem.	51. General Chemistry	4	Chem.	56. Inorganic Chemistry ..	4
Engl.	1. Freshman Composi- tion	3	Engl.	2. Freshman Composi- tion	3
	Religion	2		Religion	2
Phys. Ed.	1. Freshman Physical Education and Hygiene	1	Phys. Ed.	2. Freshman Physical Education and Hygiene	1
Sociol.	1. Orientation	0			
		<hr/> 19			<hr/> 19

SOPHOMORE YEAR
CIVIL ENGINEERING

<i>First Semester</i>			<i>Second Semester</i>		
		Cr.			Cr.
Eng.	15. Descriptive Geo- metry	2	Eng.	60. Applied Mechanics	5
Math.	111. Differential Calculus ..	4	Math.	112. Integral Calculus	4
Phys.	61. Technical Physics	5	Phys.	62. Technical Physics	5
Engl.	52. Survey of English Literature	3	Engl.	81. Public Speaking	2
Econ.	51. Principles of Eco- nomics	3	Phys. Ed.	52. Sophomore Physical Education	1
Phys. Ed.	51. Sophomore Physical Education	1		Non-technical Elective	3
	Non-technical Elective	2			
		<hr/> 20			<hr/> 19

NOTE: During the summer following the completion of this curriculum, students must attend the Civil Engineering Camp at Purdue.

ELECTRICAL ENGINEERING

<i>First Semester</i>		<i>Second Semester</i>	
	<i>Cr.</i>		<i>Cr.</i>
Eng.	71. Electric and Magnetic Circuits.....	Eng.	72. Direct-Current Machines.....
Math.	111. Differential Calculus....	Math.	112. Integral Calculus
Phys.	61. Technical Physics	Math.	172. Differential Equations ..
Eng.	59. Shop Laboratory: Machine Tool Work..	Phys.	62. Technical Physics
Econ.	51. Principles of Economics.....	Eng.	60. Applied Mechanics
Phys. Ed.	51. Sophomore Physical Education.....	Phys. Ed.	52. Sophomore Physical Education.....
	19		21

NOTE: During the summer following the completion of this curriculum, students must attend the Electrical Shop at Purdue.

MECHANICAL ENGINEERING

<i>First Semester</i>		<i>Second Semester</i>	
	<i>Cr.</i>		<i>Cr.</i>
Eng.	15. Descriptive Geometry..	Eng.	54. Elementary Heat Power
Math.	111. Differential Calculus ..	Math.	112. Integral Calculus
Phys.	61. Technical Physics	Phys.	62. Technical Physics
Eng.	59. Shop Laboratory: Machine Tool Work or	Eng.	60. Applied Mechanics
Engl.	81. Public Speaking	Engl.	81. Public Speaking or
Engl.	52. Survey of English Literature.....	Eng.	59. Shop Laboratory: Machine Tool Work..
Econ.	51. Principles of Economics.....	Phys. Ed.	52. Sophomore Physical Education.....
Phys. Ed.	51. Sophomore Physical Education.....		
	20		20

NOTE: During the summer following the completion of this curriculum, students must attend the Mechanical Engineering Shop at Purdue.

CHEMICAL ENGINEERING

<i>First Semester</i>		<i>Second Semester</i>	
	<i>Cr.</i>		<i>Cr.</i>
Chem.	63. Qualitative Analysis ..	Chem.	112. Quantitative Analysis, Volumetric.....
Math.	111. Differential Calculus ..	Math.	112. Integral Calculus
Phys.	61. Technical Physics	Phys.	62. Technical Physics
Engl.	52. Survey of English Literature.....	Engl.	81. Public Speaking
Econ.	51. Principles of Economics.....	Eng.	60. Applied Mechanics
Phys. Ed.	51. Sophomore Physical Education.....	Phys. Ed.	52. Sophomore Physical Education.....
	20		21

NOTE: During the summer following their first year at Purdue, chemical engineering students must attend the Purdue Chemical Engineering Summer School.

COURSES OF INSTRUCTION*

1. **ENGINEERING LECTURES.** Sem. 1. 1+0, Cr. 0. A series of lectures by members of the engineering faculty and invited speakers. Subjects considered: the fields of engineering; choice of major; studying and note-taking; the use of the library.
2. **ENGINEERING PROBLEMS.** Sem. 2. 1+0, Cr. 0. Typical elementary problems from various fields to suggest to the student the nature and scope of engineering work. Lectures and problems are designed as an orientation course. Instruction in theory and use of slide rule included.
11. **ENGINEERING DRAWING.** Sem. 1. 0+6, Cr. 2. Lettering, care and use of instruments, principles of orthographic projection, common engineering geometry, working drawings, special sections, common fasteners, tracing, and duplicating.
12. **ENGINEERING DRAWING.** Sem. 2. 0+6, Cr. 2. Shop sketching, pictorial representation, including isometric, cabinet, and perspective drawing, platting, graphs, topographical maps, simple layout of structural steel, electrical symbols, and architectural conventions. Prerequisite: Engineering 11.
15. **DESCRIPTIVE GEOMETRY.** Sem. 1. 0+6, Cr. 2. Relation of points, lines, and planes, and their graphical and algebraic representations; graphical solutions and associations with algebraic solutions of theoretical and practical problems; lectures and tests. Prerequisite: Engineering 11 and Mathematics 61.
16. **PLANE SURVEYING.** Sem. 1 and 2. 1+3, Cr. 2. Field and drafting-room work with recitations covering the fundamentals and the practice of plane surveying. Required of all engineering students. Prerequisite: Mathematics 61. Laboratory fee, \$8.00.
54. **ELEMENTARY HEAT POWER.** Sem. 2. 3+0, Cr. 3. Fuel and combustion, internal combustion engines, steam generation, prime movers, heat exchanges, fans, and pumps. Prerequisite: Physics 61.
57. **SHOP LABORATORY: FOUNDRY AND PATTERN MAKING.** Sem. 1 and 2. 0+6, Cr. 2. Bench molding and melting of non-ferrous metals. Moldings, dry sand core making, and the melting and pouring of gray iron castings. The planning and operating of foundries. The size and shape of patterns, core boxes, and accessories, and methods of construction to meet specific requirements. Laboratory fee, \$8.00.
59. **SHOP LABORATORY: MACHINE TOOL WORK.** Sem. 1. 0+6, Cr. 2. Machine tool work in metals: fundamental principles of machine tool work, unit or mass production, analysis of machining operations, inspecting, assembling, and testing. Laboratory fee, \$8.00.
60. **APPLIED MECHANICS.** Sem. 2. 5+0, Cr. 5. Static 5: resolution and composition of forces; moments; general principles of equilibrium and application to trusses, cranes, and other jointed frames, and to machines; friction and lubrication; centers of gravity and moments of inertia of areas.
Kinetics: rectilinear, curvilinear, and harmonic motions; relative motions; force, mass and acceleration; projectiles; simple, torsional, and compound pendulums; inertia forces in machines; work and energy; impulse, momentum, and impact. Prerequisite: Physics 61. Mathematics 112 must precede or accompany this course.
61. **APPLIED MECHANICS.** Sem. 1. 4+0, Cr. 4. Strength of materials; tension, compression and shear; combined stresses; riveted joints; pipes, beams, shafts, and columns. Prerequisite: Engineering 60.
71. **ELECTRIC AND MAGNETIC CIRCUITS.** Sem. 1. 3+3, Cr. 4. Theory and application of electric and magnetic circuits. Prerequisite: Mathematics 111 and Physics 61 or concurrent registration in these courses. Laboratory fee, \$8.00.
72. **DIRECT-CURRENT MACHINES.** Sem. 2. 3+3, Cr. 4. Theoretical and experimental study of direct-current machines. Prerequisite: Engineering 71. Laboratory fee, \$8.00.

* Not more than six semester credits taken in the Department of Engineering may be counted toward a degree in the College of Arts and Sciences except as stated in the requirements of Plan I (Five-Year Co-operative Plan) above and of the curriculum leading to the degree of Bachelor of Science in Applied Science.

THE DEPARTMENT OF ENGLISH

(INCLUDING SPEECH)

Professor Friedrich (Head); Professor Umbach†; Associate Professor Hahn; Assistant Professors Czamanske and Essig; Mrs. Busse; Misses Moore, Everson, and Ford; Messrs. Bahr, Hinck, Knudsen, Prah, Nelson, Saveson, and Steinbach.*

The primary aims of this department are: (1) to teach students to communicate their thoughts and emotions in speech and writing with clearness, correctness, and feeling; (2) to help them understand and enjoy the major works of English and American literature; (3) to acquaint them with the materials and methods of the history of literature; (4) to give them some training in the fundamentals of public speaking and dramatics.

MAJOR—Twenty-four credit hours of English beyond English 2 (exclusive of courses in speech) are required of students taking a major in this department. English 121 and 122 must be included in the twenty-four required credit hours.

MINOR—Thirteen credit hours of English beyond English 2 (exclusive of courses in speech) are required of students taking a minor in this department. English 121 or English 122 must be included in the thirteen required credit hours.

Although courses in speech do not count toward a major or minor in English, English majors and minors should have some training in speech. They are advised to take at least one course in public speaking. Students who are planning to teach in secondary schools should also take at least one course in dramatics.

COURSES IN LITERATURE AND COMPOSITION

0. GRAMMAR. Sem. 1. Cr. 0. All students entering the University as freshmen are required to take an examination in grammar, spelling, and usage. Those who fail to pass must take this course for two hours each week in addition to English 1.

PRAHL

1. FRESHMAN COMPOSITION. Each semester. Cr. 3. A course in the fundamentals of composition with emphasis upon expository writing. Collateral reading.

THE STAFF

2. FRESHMAN COMPOSITION. Each semester. Cr. 3. Continuation of English 1. Prerequisite: English 1.

THE STAFF

51. SURVEY OF ENGLISH LITERATURE. Sem. 1. Cr. 3. A survey of literature from the Old English Period to the beginning of the Pre-Romantic Period. Frequent written exercises. Prerequisite: English 2.

THE STAFF

52. SURVEY OF ENGLISH LITERATURE. Each semester. Cr. 3. A survey of literature from the beginning of the Pre-Romantic Period to the twentieth century. Frequent written exercises. Prerequisite: English 2.

THE STAFF

* On sabbatical leave, Fall semester 1948-1949.

† Acting Head, Summer Session and Fall Semester 1948-1949.

74. (Formerly English 71.) NEWS WRITING AND REPORTING. Sem. 2. 2+2, Cr. 3. A course in the fundamentals of journalism. Newspaper organization and methods; principles of gathering and writing news; laboratory practice in writing for THE TORCH. This course may not be counted toward a major or minor in English. Prerequisite: English 2. STEINBACH

91. THE ENGLISH LANGUAGE. Sem. 1. Cr. 2. A study of English words and their ways, with emphasis upon etymology and semantic change. Prerequisite: English 2. Given in alternate years.

NOTICE: No student will be admitted to any one of the following courses unless he has completed English 51 and 52 and has received the permission of the head of the department to enter the course.

101. AMERICAN LITERATURE. Sem. 1. Cr. 3. A survey of the prose, poetry, and drama in American literature from the beginning to the Civil War. UMBACH

102. AMERICAN LITERATURE. Sem. 2. Cr. 3. A continuation of English 101. A survey of the prose, poetry, and drama of American literature from the Civil War to the present day. UMBACH

121. ADVANCED COMPOSITION. Sem. 1. Cr. 2. Important forms of exposition in theory and in practice, with emphasis on essay writing. ESSIC

122. ADVANCED COMPOSITION. Sem. 2. Cr. 2. Important forms of description and narration in theory and in practice, with emphasis on short story writing. FRIEDRICH

151. THE ROMANTIC MOVEMENT. Sem. 1. Cr. 3. A study of the poetry of Wordsworth, Coleridge, Byron, Shelley, Keats, and some minor poets. Some of the prose of the period will be considered incidentally. HAHN

152. VICTORIAN POETS. Sem. 2. Cr. 3. A study of the poetry of Browning, Tennyson, Arnold, Rossetti, Swinburne, and some minor poets. UMBACH

156. THE NOVEL. Sem. 2. Cr. 3. A study of representative English novels of the eighteenth and nineteenth centuries, with discussion of the social background. FRIEDRICH

159. EIGHTEENTH CENTURY LITERATURE. Sem. 1. Cr. 3. A study of the literature of the Age of Pope and the Age of Johnson other than that of the drama and the novel. Alternates with English 165. UMBACH

161. RENAISSANCE LITERATURE. Sem. 1. Cr. 3. A study of the prose and non-dramatic poetry of Renaissance English Literature. Alternates with English 171. FRIEDRICH

162. SHAKESPEARE. Sem. 2. Cr. 3. A careful study of about eight of the most important plays, with more rapid reading of others. FRIEDRICH

165. MILTON. Sem. 1. Cr. 3. Some of the major writings of Milton, both poetry and prose, will be studied in relation to the religious, moral, and political issues of seventeenth-century England. Alternates with English 159. UMBACH

171. CHAUCER. Sem. 1. Cr. 3. This course aims to give the student an understanding and appreciation of some of the major works of Chaucer. Alternates with English 161. UMBACH

174. LITERARY CRITICISM. Sem. 2. Cr. 2. A study of the principles of literary criticism from the theoretical and practical rather than from the historical point of view. Given in alternate years.

191. THE TEACHING OF ENGLISH. Sem. 1. Cr. 2. A study of the methods of teaching English in secondary schools (See Education 191). This course may not be counted toward a major or minor in this department. ESSIC

COURSES IN SPEECH

81. PUBLIC SPEAKING. Each semester. Cr. 2. Study of speech composition and delivery. Short talks on selected topics. Prerequisite: English 2. HAHN
82. ADVANCED PUBLIC SPEAKING. Sem. 2. Cr. 2. The elements of persuasion. The composition and delivery of the common types of public and semi-public addresses. Prerequisite: English 81. HAHN
84. ORAL INTERPRETATION. Sem. 2. Cr. 2. An elementary study of the techniques of oral interpretation. Direct, informal reading of prose and poetry. Elementary voice training. Prerequisite: English 81. HAHN
107. ACTING. Sem. 1. 1+3, Cr. 2. A course in the theory and technique of acting for those who have talent for acting and those who will direct amateur actors. The study of the theory of acting is supplemented by practice exercises in illustrative roles. Prerequisite: English 51 and 52. HAHN
108. PLAY DIRECTING. Sem. 2. 1+3, Cr. 2. A course in the theory and technique of play directing for those who will direct amateur productions for public performance. The study of the theory of play directing is supplemented by practice in directing. The directing of a one-act play for public performance is required. Prerequisite: English 107. HAHN

THE DEPARTMENT OF FOREIGN LANGUAGES

Professor Miller (Head), Associate Professor Guillaumant, Assistant Professor Moulton, Mrs. Cole, Mrs. Rahn, Miss Reed, Mrs. Schenck, Mrs. Copp, Miss Bosse, and Miss Goers

The Department of Foreign Languages and Literatures has the following objectives: (1) for the lower division courses: to give the student primarily a reading knowledge of moderately difficult prose and poetry in the language chosen, to introduce him to the history of the civilization of the nation whose language he is studying, and to prepare him for the work of the upper division; (2) for the upper division courses: to continue the work begun in the lower division, to present the literatures of the languages offered, and to prepare students for the teaching of foreign languages.

APPROVAL OF SCHEDULES—All students taking a major or a minor in the department and all students planning to teach French, German, or Spanish must have their schedules approved by the head of the department at the beginning of each semester.

FRENCH

MAJOR—A major consists of not less than 24 credit hours beyond French 2. Students preparing to teach French should include French 113 and 114 in their major.

MINOR—A minor consists of not less than 12 credit hours beyond French 2.

COURSES IN FRENCH

1. **FIRST SEMESTER FRENCH.** Sem. 1. Cr. 3. Study of pronunciation by means of phonetic symbols. Grammar taught inductively, with conversation and dictation; daily written work.

THE STAFF

2. **SECOND SEMESTER FRENCH.** Sem. 2. Cr. 3. Study of grammar, with emphasis upon the verb; reading of simple texts. Prerequisite: French 1 or equivalent.

THE STAFF

53. **THIRD SEMESTER FRENCH.** Sem. 1. Cr. 3. Systematic review of grammar, with oral and written compositions. Study of irregular verbs. Reading of modern authors. Prerequisite: French 2 or equivalent.

THE STAFF

54. **FOURTH SEMESTER FRENCH.** Sem. 2. Cr. 3. Continuation of French 53, with an introduction to the history of French civilization. Prerequisite: French 53 or equivalent.

THE STAFF

105. **SURVEY OF FRENCH LITERATURE.** Sem. 1. Cr. 3. Study of the origins of the French language and development of literature with a detailed study of seventeenth century literature. Collateral assignments; reading in class of representative selections. Prerequisite: French 54 or equivalent.

GUILLAUMANT

106. **SURVEY OF FRENCH LITERATURE.** Sem. 2. Cr. 3. Study of eighteenth and nineteenth century literature. Prerequisite: French 54 or equivalent.

GUILLAUMANT

113. FRENCH COMPOSITION AND CONVERSATION. Cr. 3. Written composition based on connected reading, with emphasis on the use of idioms. Conversation based on topics of current interest. Prerequisite: French 54 or equivalent. (Given upon sufficient demand.)

114. ADVANCED FRENCH COMPOSITION AND CONVERSATION. Cr. 3. Original oral and written composition, and practice in conversation. Prerequisite: French 113 or equivalent. (Given upon sufficient demand.)

153. NINETEENTH-CENTURY FRENCH LITERATURE. Sem. 1. Cr. 3. Study of various periods of nineteenth-century literature, with rapid reading of representative novels, plays, and poetry. Prerequisite: French 106 or equivalent. Alternates with French 157. GUILLAUMANT

154. CONTEMPORARY FRENCH LITERATURE. Sem. 2. Cr. 3. A rapid reading course with supplementary classroom lectures in French literature of the late nineteenth and early twentieth century including such authors as Renan, Taine, Bourget, Loti, France, Rolland, Proust, Bergson. Prerequisite: French 106 or equivalent. Alternates with French 158. GUILLAUMANT

155. FRENCH CIVILIZATION. Sem. 1. Cr. 3. A senior course which considers the civilization of France from its earliest days to the Renaissance. Prerequisite: the ability to read French readily. GUILLAUMANT

156. FRENCH CIVILIZATION. Sem. 2. Cr. 3. Continuation of French 155. A course which considers the civilization of France since the Renaissance. Prerequisite: the ability to read French readily. GUILLAUMANT

157. MODERN FRENCH DRAMA. Sem. 1. Cr. 3. The development of the drama in the nineteenth century through the pre-romantic, romantic, and realistic periods. Prerequisite: French 106 or equivalent. Alternates with French 153. GUILLAUMANT

158. MODERN FRENCH DRAMA. Sem. 2. Cr. 3. Naturalism in the drama; the reaction to naturalism; modern trends. Prerequisite: French 106 or equivalent. Alternates with French 154. GUILLAUMANT

191. THE TEACHING OF FRENCH. Cr. 2. A teacher's course; the fundamental principles underlying the teaching of modern languages; the position of modern languages in American education; the methods and theories of teaching French; review of phonetic symbols; the subject matter and apparatus of French teaching; difficulties encountered in high school teaching; standard tests (See Education 191.) Prerequisite: 6 hours of the major in French. This course may not be counted toward a major in this department. (Given upon sufficient demand.)

GERMAN

MAJOR — A major consists of not less than 24 credit hours beyond German 2. Students preparing to teach German should include German 113 and 114 in their major.

MINOR — A minor consists of not less than 12 credit hours beyond German 2.

COURSES IN GERMAN

1. FIRST SEMESTER GERMAN. Sem. 1. Cr. 3. A course designed to give the student primarily a reading knowledge of simple German prose. THE STAFF

2. SECOND SEMESTER GERMAN. Sem. 2. Cr. 3. Prerequisite: German 1 or equivalent. THE STAFF

53. THIRD SEMESTER GERMAN. Sem. 1. Cr. 3. Intermediate German. Readings from modern prose writers and the classical poets, a review of German grammar, practice in writing and speaking German, and reports on outside reading. Prerequisite: German 2 or equivalent. THE STAFF

54. FOURTH SEMESTER GERMAN. Sem. 2. Cr. 3. A continuation of German 53. Prerequisite: German 53 or equivalent. THE STAFF

101. GERMAN CLASSICS. Sem. 1. Cr. 3. A study of important literary works of the eighteenth, nineteenth and twentieth centuries. Class readings, lectures, and outside readings. Prerequisite: German 54 or equivalent. MILLER

102. GERMAN CLASSICS. Sem. 2. Cr. 3. This course covers the same period as German 101, but different literary works are studied. Prerequisite: German 54 or equivalent. MILLER

113. GERMAN COMPOSITION. Cr. 3. Review of grammar, written and oral reports on outside reading, letter writing. Prerequisite: German 54 or equivalent. (Given upon sufficient demand.)

114. GERMAN COMPOSITION. Cr. 3. Prerequisite: German 113 or equivalent. (Given upon sufficient demand.)

153. HISTORY OF GERMAN LITERATURE TO 1700. Sem. 1. Cr. 3. Lectures and outside reading. Prerequisite: German 101 or equivalent. Alternates with German 155. MILLER

154. HISTORY OF GERMAN LITERATURE FROM 1700 TO 1832. Sem. 2. Cr. 3. Lectures and outside reading. Prerequisite: German 101 or equivalent. Alternates with German 156. MILLER

155. NINETEENTH-CENTURY GERMAN LITERATURE. Sem. 1. Cr. 3. Class reading, lectures, and outside reading. Prerequisite: German 101 or equivalent. Alternates with German 153. MILLER

156. NINETEENTH-CENTURY GERMAN LITERATURE. Sem. 2. Cr. 3. Prerequisite: German 155 or equivalent. Alternates with German 154. MILLER

157. GOETHE. Sem. 1. Cr. 3. Class reading, lectures, and outside reading. Prerequisite: German 101 or equivalent. MILLER

158. GOETHE. Sem. 2. Cr. 3. Prerequisite: German 157 or equivalent. MILLER

191. THE TEACHING OF GERMAN. Cr. 2. A teacher's course; the position of modern languages in American education; analysis of the principles and practices that are applicable to foreign language study; a study of the material in teaching German; standard tests (See Education 191). Prerequisite: 6 hours of a major in German. This course may not be counted toward a major or minor in this department. (Given upon sufficient demand.)

LATIN

MINOR — A minor consists of not less than 12 credit hours.

COURSES IN LATIN

53. INTERMEDIATE LATIN: CICERO. Cr. 3. Several speeches of Cicero will be read. The study of the text will be accompanied by a review of forms and syntax. Prerequisite: two units of high school Latin. (Given upon sufficient demand.)

54. INTERMEDIATE LATIN: VIRGIL. Cr. 3. This course introduces the student to Latin poetry. The emphasis is on the understanding and interpretation of the selections read. Prerequisite: Latin 53, or three units of high school Latin. (Given upon sufficient demand.)

105. CICERO'S DE SENECTUTE AND SELECTIONS FROM CATULLUS. Cr. 3. The course aims to give the student a better understanding of Latin construction and to interpret Cicero as a man of letters. Prerequisite: Latin 54 or equivalent. Alternates with Latin 107. (Given upon sufficient demand.)

106. OVID. Cr. 3. The course is based largely on Ovid's *Metamorphoses* with selections from his minor works. Prerequisite: Latin 54 or equivalent. Alternates with Latin 108. (Given upon sufficient demand.)

107. LIVY. Cr. 3. The course, introducing the student to Roman historical writing, aims to develop the power to read Latin more readily by strengthening the student's knowledge of Latin construction. Prerequisite: Latin 54 or equivalent. Alternates with Latin 105. (Given upon sufficient demand.)

108. ROMAN COMEDY. Cr. 3. History of the rise and decline of Roman comic drama. From the extant plays the *Captivi* of Plautus and *Phormio* of Terence will be selected for class study with reading of several other plays in English translation. Prerequisite: Latin 54 or equivalent. Alternates with Latin 106. (Given upon sufficient demand.)

SPANISH

MAJOR — A major consists of not less than 24 credit hours beyond Spanish 2. Students preparing to teach Spanish should include Spanish 113 and 114 in their major.

MINOR — A minor consists of not less than 12 credit hours beyond Spanish 2.

COURSES IN SPANISH

1. FIRST SEMESTER SPANISH. Sem. 1. Cr. 3. An introduction to the study of Spanish grammar, conversation, and reading. THE STAFF

2. SECOND SEMESTER SPANISH. Sem. 2. Cr. 3. A continuation of Spanish 1. Prerequisite: Spanish 1 or equivalent. THE STAFF

53. THIRD SEMESTER SPANISH. Sem. 1. Cr. 3. Systematic review of grammar, with oral and written compositions. Study of irregular verbs. Reading of modern authors with special emphasis on Latin American civilization and literature. Prerequisite: Spanish 2, or two units of high school Spanish. THE STAFF

54. FOURTH SEMESTER SPANISH. Sem. 2. Cr. 3. A continuation of Spanish 53. Prerequisite: Spanish 53 or equivalent. THE STAFF

105. SURVEY OF SPANISH LITERATURE. Sem. 1. Cr. 3. A study of the origins of the Spanish language and the development of literature with a detailed study of the literature of the Golden Age. Collateral assignments; reading in class of representative selections. Prerequisite: Spanish 54 or equivalent. MR.....

106. SURVEY OF SPANISH LITERATURE. Sem. 2. Cr. 3. A study of eighteenth and nineteenth century literature. Collateral assignments; reading in class of representative selections. Prerequisite: Spanish 54 or equivalent. MR.....

113. SPANISH COMPOSITION AND CONVERSATION. Sem. 1. Cr. 3. Conversation and written composition based on connected reading with emphasis on the use of idioms. Prerequisite: Spanish 54 or equivalent. REED

114. ADVANCED SPANISH COMPOSITION AND CONVERSATION. Sem. 2. Cr. 3. A continuation of Spanish 113 with additional practice in original oral and written composition. Prerequisite: Spanish 113 or equivalent. REED

151. SURVEY OF SPANISH-AMERICAN LITERATURE. Sem. 1. Cr. 3. A study of the origins and development of Spanish-American literature from the period of conquest in the sixteenth century up to the Modernista movement of the latter period of the nineteenth century. Collateral assignments; reading in class of representative selections. Prerequisite: Spanish 105 or equivalent. Alternates with Spanish 153. MR.....

152. SURVEY OF SPANISH-AMERICAN LITERATURE. Sem. 2. Cr. 3. A study of Spanish-American literature from the beginning of the Modernista movement to the literature of the present day. Prerequisite: Spanish 105 or equivalent. Alternates with Spanish 154. Mr.....

153. NINETEENTH-CENTURY SPANISH LITERATURE. Sem. 1. Cr. 3. A study of nineteenth-century literature, with rapid reading of representative novels, plays, and poetry. Prerequisite: Spanish 106 or equivalent. Alternates with Spanish 151. Mr.....

154. CONTEMPORARY SPANISH LITERATURE. Sem. 2. Cr. 3. A rapid reading course with supplementary classroom lectures in Spanish literature of the late nineteenth and early twentieth century. Prerequisite: Spanish 106 or equivalent. Alternates with Spanish 152. Mr.....

157. SPANISH DRAMA OF THE GOLDEN AGE. Sem. 1. Cr. 3. A study of the Spanish drama in the Golden Age with rapid reading of representative dramatists. Prerequisite: Spanish 105 or equivalent. REED

158. MODERN SPANISH DRAMA. Sem. 2. Cr. 3. A study of the development of the Spanish drama since the Golden Age with rapid reading of representative dramatists. Prerequisite: Spanish 105 or equivalent. REED

191. THE TEACHING OF SPANISH. Cr. 2. A teacher's course; the fundamental principles underlying the teaching of modern languages; the position of modern languages in American education; the methods and theories of teaching Spanish; review of phonetic symbols; the subject matter and apparatus of Spanish teaching; difficulties encountered in high school teaching; standard tests (See Education 191). Prerequisite: 6 hours of the major in Spanish. This course may not be counted toward a major in this department. (Given upon sufficient demand.)

THE DEPARTMENT OF GEOGRAPHY AND GEOLOGY

*Professor Meyer (Head), Assistant Professor Buls,
Mr. Eggerding, Mr. Strietelmeier*

FIELD AND FUNCTION — Modern chorographic geography is the science which seeks (1) to describe and map the natural and cultural phenomena of specific regions of the earth, (2) to point out the distributional relationships which exist between the human and natural forms of the environment, and (3) to explain the part which environment plays in human adjustments—in the occupation of areas, in the utilization of resources, in the promotion of industry and commerce, and in the historical development of the various patterns of civilization.

Geology deals with the structure and history of the earth.

The region about Valparaiso is eminently suited for the study of land-form and land-use patterns. Four major physiographic units afford interesting and instructive contrasts in landscape characteristics; the Valparaiso Moraine with its continental divide, near which the city of Valparaiso is located; the Chicago Lake Plain to the north and northwest, featuring phenomenal industrial and commercial development; the internationally famous Dunes, scenic recreation and resort center of the shore of Lake Michigan; and finally, the historically and economically interesting reclaimed Kankakee agricultural region south of the moraine.

Geography courses in the department yield social science credit; geology courses (51, 52 and 54), natural science credit.

OBJECTIVES — Course offerings are designed (1) to fulfill teaching option requirements and to meet the growing demands for adequate training in the teaching of geography, (2) to contribute basic geographic material to other disciplines, such as economics, history, government, sociology, religion, biology, etc., (3) to enhance appreciation of world events and traveling experiences by supplying to the student geographic and geologic perspective, and (4) to prepare students for graduate and professional work in geography.

RECOMMENDED COURSE SEQUENCES — Students should not choose geography and geology courses haphazardly, but follow programs which will best serve their needs academically and professionally. Course sequences are suggested to students in various areas of concentration as follows:

Business, Economics, Sociology: Geography 51, 52, 62, 63, 68, 151, 156, 186, 188, 192, 193, 194.

History, Government, Law: Geography 51, 52, 62, 125-143, 182, 185, 186, 192.

Natural Sciences: Geology 51, 52, 54, Geography 51, 52, 68, 151.

Philosophy, Religion: Geology 51, 52, 158, Geography 145.

Education, Psychology: Students planning to teach in the elementary or secondary school should consult the Head of the Department of Education and Psychology for teaching major or other state certification requirements as they concern geography teaching as such or as part of social science or other curricular areas. For a university major in geography the student is advised to select courses from the following list: Geology 51, 54, Geography 51, 52, 62, 68, 125-140, 182, 185, 186, 191, 198.

PROFESSIONAL GEOGRAPHY MAJOR — Though only 24 credit hours are required in geography for a university major, as indicated below, students contemplating graduate or professional work in geography should complete 35 or more hours of work in the department. Such students are expected to maintain a grade average of B or better in their over-all work in the university as well as in the department. The following sequence will serve as a guide to systematic selection of courses: Geology 51, 54, Geography 51, 52, 68, 125-140, 143, 151, 156, 182, 185, 186, 188, 192, 193, 194, 195 (or 196), 198.

In addition it is recommended that professional geography majors select such courses from the following cognate subjects as will most closely correlate with their program of geographic concentration: Biology 51, 52; Business 107, Economics 51, 52; Education 161, 162; Government 101, 102, 195; History 146, 162, 198; Philosophy 104; Psychology 51, 101; Religion 71; Sociology 51, 52, 133.

APPROVAL OF SCHEDULES—All students taking a major or a minor in the department and all students planning to teach Geography must have their schedules approved by the head of the department at the beginning of each semester.

MAJOR — Twenty-four credit hours are required for a major in Geography, which must include Geology 51 and 52 or 54.

MINOR — Fifteen credit hours are required for a minor in Geography, which may include Geology 51 and 52 or 54.

COURSES IN GEOGRAPHY

(SOCIAL SCIENCE)

51. SOCIAL GEOGRAPHY. Sem. 1 and 2. Cr. 3. An integrated treatment of human occupancy and natural environmental characteristics of the major regions of the earth. Human society and economy, as expressed in the character and distribution of population and in the patterns of land utilization, are interpreted on the basis of the inter-relation which exists between the cultural forms of the landscape and the elements of the natural environment—climate, landform, soil, natural vegetation, etc. No prerequisite. MEYER AND STRIETELMEIER

52. SOCIAL GEOGRAPHY. Sem. 2. Cr. 3. A continuation of Geography 51. Prerequisite: Geography 51. MEYER AND STRIETELMEIER

62. MAPS AND MAN. Sem. 1. Cr. 2. (Given in 1946-1947 as Maps and Map Making.) A general course concerning the nature, functions, interpretation, construction, and use of maps. Practical exercises in map-making stress the role of cartography in patternizing our ideas and thinking of the natural environment and of human establishments in relation thereto. No prerequisite.

BULS

63. ECONOMIC AND COMMERCIAL GEOGRAPHY. Sem. 1. Cr. 3. A study of agricultural and industrial products and their production in relation to their environmental factors. Also a treatment of the geographic bases for inter-regional and international trade, centers and routes of trade, and of the relations of commercial resources and activities to world power. No prerequisite.

STRIETELMEIER

68. CONSERVATIONAL GEOGRAPHY. Sem. 2. Cr. 3. This course treats of the current social and economic problems arising from the wasteful exploitation of our natural resources. Among the topics considered are: the indispensability of soils and minerals, forests, waters, and wildlife to community and national well-being; the practical application of geographic principles and technique toward the elimination of wasteful and inefficient methods of utilizing such resources; and the part that regional planning plays in the program of developing a sound economy of land use. No prerequisite.

BULS

125. PHYSICAL-CULTURAL ANGLO-AMERICA. Sem. 1. Cr. 3. A relationship study of the natural and cultural forms of landscapes of the United States, Canada, and Alaska, with emphasis on their economic development. Open to students who have completed a 3 credit course in geography, and to upper classmen majoring in any of the other social sciences.

BULS

128. PHYSICAL-CULTURAL LATIN AMERICA. Sem. 2. Cr. 3. A study of the geographic forms and functions of Latin America with special emphasis on the relation of these factors to Pan-American commercial, economic, and political affairs. Open to students who have completed a 3 credit course in geography, and to upper classmen majoring in any of the other social sciences.

BULS

129. PHYSICAL-CULTURAL EUROPE. Sem. 2. Cr. 3. A geographic interpretation of the social, political, industrial, and commercial patterns of Europe in relation to national and international problems. Open to students who have completed a 3 credit course in geography, and to upper classmen majoring in any of the other social sciences.

STRIETELMEIER

134. PHYSICAL-CULTURAL AFRICA. Sem. 2. Cr. 2. A regional treatment of the continent with particular reference to the exploration and development of its geographic resources. Open to students who have completed a 3 credit course in geography, and to upper classmen majoring in any of the other social sciences.

EGGERDING

137. PHYSICAL-CULTURAL ASIA. Sem. 1. Cr. 3. A study of the geography of the Orient with particular reference to the part that physical, economic, and political geographic factors play in the settlement and national development problems of the Near East, India, China, and Japan. Open to students who have completed a 3 credit course in geography, and to upper classmen majoring in any of the other social sciences.

EGGERDING

140. PHYSICAL-CULTURAL AUSTRALASIA-OCEANIA. Sem. 1. Cr. 2. A regional survey of the natural resources and development of Australia and islands of the Pacific. Particular attention will be given to such islands of the Melanesian, Micronesian, and Polynesian groups as occupy a strategic position in relation to our national defense. Open to students who have completed a 3 credit course in geography, and to upper classmen majoring in any of the other social sciences.

STRIETELMEIER

143. REALM OF THE SOVIET UNION. Sem. 1. Cr. 2. A study of the elements of geographic strength and of environmental limitations basic to the understanding of modern Russia as a world power. Open to students who have completed a 3 credit course in geography, and to upper classmen majoring in any of the other social sciences. STRIETELMEIER

145. BIBLE CHOROGRAPHY. Sem. 1. Cr. 2. A chorographic survey of the land and life of Biblical regions, particularly Palestine. Emphasis will be centered upon the role the environment played in Old and New Testament history. Open to students who have completed a 3 credit course in geography, and to upper classmen majoring in the Department of Religion. EGGERDING

151. AGRICULTURAL GEOGRAPHY. Sem. 1. Cr. 2. An advanced study of the geographic distribution of the major crops of the world, especially of the United States, in relation to physical and social environments and food requirements. Special attention is given to crop ecology. Prerequisite: 12 hours in geography and geology, or 6 hours in geography and 6 in economics. EGGERDING

156. MANUFACTURAL GEOGRAPHY. Sem. 2. Cr. 2. An advanced study of the geographic distribution of the major manufacturing industries of the world, especially those of the United States, in relation to the location of raw materials, power, labor, transportation facilities, markets, and the strategy of regional position in time of war. Prerequisite: 12 hours in geography and geology, or 6 hours in geography and 6 hours in economics. STRIETELMEIER

182. HISTORICAL GEOGRAPHY OF THE UNITED STATES. Sem. 2. Cr. 2. A regional treatment of the exploration, colonization, territorial expansion, migration, transportation, settlement, and economic development of our country, integrated in relation to the physical framework of the environment in which and with which American regional patterns of culture have come to be established. The course is primarily designed for students majoring in one or another of the social sciences. Prerequisite: 12 credit hours in geography and geology, or 6 hours in geography and 6 in history, government, economics, or sociology. BULS

185. POLITICAL GEOGRAPHY. Sem. 1. Cr. 2. An investigation of political problems of selected regions or nations in terms of the material and ethnic factors of the environment which are considered essential in understanding the development of civilization. Patterns of population and land utilization, natural resources, the economic interdependence of nations, international trade, and geo-political problems of the United Nations are type topics serving as the geographic basis for discussions and exercise work. Prerequisite: 12 credit hours in geography and geology, or 6 in geography and 6 in history, government, economics, or sociology. MEYER

186. THE GEOGRAPHY OF CURRENT AFFAIRS. Sem. 2. Cr. 2. A workshop course to develop the technique of interpreting current world events in the geographic framework in which such events occur. From newspapers and periodicals currently received by the department, students clip articles for critical review and rewrite them in the form of what is known as "chorograms." Prerequisite: 12 credit hours in geography and geology, or 6 in geography and 6 in history, government, economics, or sociology. MEYER

188. CARTOGRAPHY AND GRAPHICS. Sem. 2. 0-4, Cr. 2. Practice in the drafting of maps including projections, physiographic diagrams, cartograms, graphs, and charts, illustrative of physical and cultural landscape patterns and of regional statistical data. Designed particularly for students interested in geography as a profession. Prerequisite: 12 hours in geography and permission of the instructor. BULS

191. THE TEACHING OF GEOGRAPHY. Cr. 2. A course in objectives, principles, methods, and materials of teaching geography in the secondary school (See Education 191). This course may not be counted toward a major or minor in this department. (Given upon sufficient demand.) EGGERDING

192. **GEOGRAPHIC PLANNING.** Sem. 1. Cr. 2. A course treating of the general nature, purposes, objectives, techniques, and organization of modern community planning for the promotion of social and economic well-being, as based on sound geographic principles. The course will consist of lectures, open forum discussions, and practical problems and projects with particular applications to the city of Valparaiso, Porter County, and the Calumet region. Prerequisite: 12 credits in geography and geology, or 6 hours in geography and 6 in government, economics, or sociology. EGGERDING

193. **URBAN FIELD SURVEY.** Sem. 1. Cr. 2. An introduction to the techniques of mapping urban phenomena and geographically analyzing the community functions associated therewith. Prerequisite: 15 hours in geography and geology, and permission of the head of the department. EGGERDING AND MEYER

194. **RURAL FIELD SURVEY.** Sem. 2. Cr. 2. A plotting of the physical and cultural forms of selected rural landscapes and their study in terms of the regional human adjustments which they exhibit. Prerequisite: 15 credit hours in geography and geology and permission of the head of the department. EGGERDING AND MEYER

195. **GEOGRAPHIC PROBLEMS.** Sem. 1. Cr. 2. Each student investigates some geo-physical, geo-historical, geo-social, geonomic, or geo-political problem under the supervision of the instructor. Prerequisite: 15 credit hours in geography and permission of the head of the department. MEYER

196. **GEOGRAPHIC PROBLEMS.** Sem. 2. Cr. 2. A continuation of geography 195. Prerequisite: 15 credit hours in geography and permission of the head of the department. MEYER

198. **THE PHILOSOPHY AND PROFESSION OF GEOGRAPHY.** Sem. 2. Cr. 2. A pre-seminar course treating of the nature and technique of geographic discipline, and the application of geographic training to various professional pursuits, such as teaching, business, planning, and government service. Prerequisite: Limited to juniors and seniors with a minimum of 15 hours in geography. THE STAFF

COURSES IN GEOLOGY

(NATURAL SCIENCE)

51. **PHYSIOGRAPHY.** Sem. 1 and Sem. 2. 2+4, Cr. 4. An introduction to the surface features of the earth. This course and its continuation in General Geology are designed to aid the general student in appreciating the meaning of earth features, as well as to supply basic study of landforms for students majoring or minoring in the field of geography. Laboratory and field studies. Laboratory fee, \$2.50. Field trip fee, \$1.50. BULS, EGGERDING AND STRIETELMEIER

52. **GENERAL GEOLOGY.** Sem. 2. 2+4, Cr. 4. A treatment of the fundamental principles of physiographical, stratigraphical, structural, dynamical, and historical geology; consideration of the theoretical phases, practical applications, and historical development of the science. Laboratory work includes a study of a specially constructed miniature earth model. Laboratory and field studies. Prerequisite: Geology 51. Laboratory fee, \$2.50. Field trip fee, \$3.25. BULS, EGGERDING AND STRIETELMEIER

54. **METEOROLOGY AND CLIMATOLOGY.** 2+4, Cr. 4. A study of the structure and functions of the atmosphere. Laboratory exercises supplement lectures in the treatment of air mass analysis, weather maps and forecasting, and patterns of climate. Laboratory fee, \$1.50. EGGERDING

78. **ENGINEERING GEOLOGY.** Sem. 2. Cr. 2. A presentation of the facts and principles of geology which have a direct bearing on the structural problems of the engineer. "Engineering Geology" by Ries and Watson constitutes the basic material considered in this course. Open only to engineering students. BULS

158. **GEOLOGY AND GENESIS.** Sem. 2. Cr. 1. A Christian critique of earth history based upon a comparative study of secular and Scriptural source materials. Prerequisite: Geology 51 and 52, or senior standing. THE STAFF OF THE GEOLOGY AND RELIGION DEPARTMENTS

THE DEPARTMENT OF HISTORY AND GOVERNMENT

Professor Bauer (Head), Professor Kruger, Associate Professor Wehling, Mr. Pelikan, Mr. Gahl, Mr. Hoffmann, Mr. Schenck, Mr.

APPROVAL OF SCHEDULES—Students taking a major or a minor in this department must have their schedules approved by the head of the department at the beginning of each semester.

HISTORY

In the field of history, the aims of this department are (1) to offer a number of survey courses, (2) to offer a number of specialized courses for students who wish to make history a field of concentration, (3) to help students understand the world of today, and (4) to prepare students for teaching and for graduate study.

MAJOR—A major in history consists of 24 credit hours beyond 51 and 52 and including 198.

MINOR—A minor in history consists of 12 credit hours beyond 51 and 52.

With the approval of the head of the department six credit hours earned in the following courses may be included in a major:

Government 112 and 114, Economics 146, Religion 151, Geography 182.

COURSES IN HISTORY

51. **MEDIEVAL EUROPE.** Sem. 1. Cr. 3. A survey of Europe from the late Roman Empire to 1500. PELIKAN

52. **MODERN EUROPE.** Sem. 2. Cr. 3. A survey of European history since 1500. PELIKAN

61. **THE UNITED STATES TO 1865.** Sem. 1. Cr. 3. A survey of American history from its European beginnings to 1865. GAHL

62. **THE UNITED STATES SINCE 1865.** Sem. 2. Cr. 3. A survey of the history of the United States since the Civil War. GAHL

71. **HISTORY OF LATIN AMERICA.** Sem. 1. Cr. 3. A survey of the history of Latin America, with emphasis upon Mexico, Argentina, Brazil, and Chile. (Not open to freshmen.) KRUGER

119. **THE ANCIENT WORLD I.** Sem. 1. Cr. 3. A study of the ancient Orient to Alexander the Great. MR.

120. **THE ANCIENT WORLD II.** Sem. 2. Cr. 3. A study of Hellenistic and Roman Civilization. MR.

127. **HISTORY OF ENGLAND.** Sem. 1. Cr. 3. A survey of the history of England from its beginnings to the present with emphasis upon modern England. Prerequisite: junior standing. HOFFMANN

133. THE BYZANTINE EMPIRE. Sem. 1. Cr. 2. A study of the Eastern Roman Empire from the founding of Constantinople in 330 to its capture by the Turks in 1453. Prerequisite: History 51. PELIKAN

134. HISTORY OF RUSSIA. Sem. 2. Cr. 2. A survey of the history of Russia, with emphasis upon the period since Peter the Great. PELIKAN

136. RENAISSANCE AND REFORMATION. Sem. 2. Cr. 3. A study of the political and cultural history of Europe during the later Middle Ages and the early modern era. Prerequisite: History 51. PELIKAN

141. THE COLONIAL PERIOD. Sem. 1. Cr. 2. A study of the European background of American history, the problems of colonial development, and the movement that resulted in the establishment of independence. Prerequisite: History 61. (Alternates with History 143) (Not offered in 1948-49). GAHL

143. THE GROWTH OF THE WEST. Sem. 1. Cr. 2. This course traces the Frontier movement in American history. Its purpose is to indicate the contributions of the West to the development of American civilization. Prerequisite: History 61 and 62. (Alternates with History 141.) GAHL

144. THE NATIONAL PERIOD. Sem. 2. Cr. 2. This course traces the development of American nationalism from the adoption of the Constitution to the end of the nineteenth century. Prerequisite: History 61 and 62. (Alternates with History 146.) (Not offered in 1948-1949). GAHL

146. RECENT AMERICAN HISTORY. Sem. 2. Cr. 2. This course traces the development of the United States since the last quarter of the 19th century. Prerequisite: History 61 and 62. (Alternates with History 144). GAHL

150. CONSTITUTIONAL HISTORY OF THE UNITED STATES. Sem. 1. Cr. 3. The growth of the American constitution with emphasis upon its formation and leading cases which determined its development. Prerequisite: History 61 and 62. GAHL

161. THE FRENCH REVOLUTION AND NAPOLEON. Sem. 1. Cr. 3. A study of the background, progress, and significance of the revolutionary movements culminating in the French Revolution and the Napoleonic Empire. Prerequisite: History 52. MR.....

162. RECENT EUROPEAN HISTORY. Sem. 2. Cr. 3. A study of European history from 1914 to the present. Prerequisite: History 52. MR.....

182. PRO-SEMINAR IN HISTORY. Sem. 2. Cr. 2. A course designed to give students taking a history major some knowledge of the philosophy of history and some practice in historical research. Open to juniors and seniors majoring in history. KRUGER

191. THE TEACHING OF SOCIAL STUDIES. Sem. 1. Cr. 2. A study of the methods of teaching social studies in secondary schools. (See Education 191.) This course may not be counted toward a major or minor in this department. SCHENCK

198. HISTORY OF CIVILIZATION. Sem. 2. Cr. 3. This course is designed to give students an opportunity to review, supplement and integrate their knowledge of the history of mankind. Although it is intended primarily for students majoring in history, it is open to others interested in the historical background of contemporary civilization. Prerequisite: junior standing and permission of the head of the department. BAUER

GOVERNMENT

In the field of government, the aims of this department are (1) to introduce students to the science of government; (2) to help them understand the history and machinery of government under the western state system; (3) to teach the theory and practice of government in the

United States; (4) to present the fundamentals of international law, international relations, and international cooperation; (5) to prepare students for teaching and for graduate study; and (6) to create an appreciation of the importance of enlightened participation in government.

MAJOR—A major in government consists of 30 credit hours including Government 51, 103, and 104.

MINOR—A minor in government consists of 18 credit hours including Government 51.

COURSES IN GOVERNMENT

51. THE FEDERAL GOVERNMENT OF THE UNITED STATES. Sem. 1. Cr. 3. A study of the structure and function of the federal system. THE STAFF

52. STATE AND LOCAL GOVERNMENT IN THE UNITED STATES. Sem. 2. Cr. 3. The governmental machinery of states, municipalities, and other units of local government. Prerequisite: Government 51. THE STAFF

62. CONTEMPORARY FOREIGN GOVERNMENTS. Sem. 2. Cr. 3. A survey of several of the leading foreign governments of the world. THE STAFF

NOTICE: The following courses are not open to freshmen:

101. INTERNATIONAL RELATIONS I. Sem. 1. Cr. 2. The fundamentals of international politics, international law, and international organizations. The evolution of states into world empires, and the resulting conflicts. Modern attempts to regulate intercourse among states by the development of international governmental organizations. Prerequisite: Government 62. WEHLING

102. INTERNATIONAL RELATIONS II. Sem. 2. Cr. 2. A continuation of Government 101. Prerequisite: Government 101 or consent of instructor. WEHLING

103. THE THEORY OF GOVERNMENT I. Sem. 1. Cr. 3. Political philosophy from Plato to Hobbes. WEHLING

104. THE THEORY OF GOVERNMENT II. Sem. 2. Cr. 3. Political philosophy from Hobbes to the present. WEHLING

112. THE DIPLOMACY OF THE UNITED STATES. Sem. 2. Cr. 3. The formation and execution of American foreign policy, a study of the principal factors influencing it, and the problems connected with it. Prerequisite: Government 51. (Alternates with Government 152.) WEHLING

113. AMERICAN DEMOCRATIC THOUGHT. Sem. 1. Cr. 3. A study of American political thought as found in the writings of leaders in the political life of our country, such as John Adams, Jefferson, Hamilton, Madison, Webster, Lincoln, Theodore Roosevelt, Wilson, and Franklin Roosevelt. Prerequisite: Government 51. (Given in alternate years.) (Offered in 1948-1949.) WEHLING

114. AMERICAN POLITICAL PARTIES. Sem. 1. Cr. 3. An intensive study of the origin, history, composition, policies, functions, and activities of political parties in the United States, including the organization and operation of the party system. Prerequisite: Government 51. (Alternates with Government 162.) (Not offered in 1948-1949.)

151. THE POLITICS OF LATIN AMERICA. Sem. 1. Cr. 3. A survey of the leading governments of Latin America; their national and international controversies, with special reference to their relations with the United States. (Alternates with Government 189.) (Not offered in 1948-1949.)

152. THE POLITICS OF THE NEAR AND FAR EAST. Sem. 2. Cr. 3. A survey of the governments of the leading states of the Near and Far East; their relations with the Western states; and their place in the emerging pattern of the postwar world. (Alternates with Government 112.) (Not offered in 1948-1949.)

162. PUBLIC ADMINISTRATION. Sem. 2. Cr. 3. The basic principles of administrative organization and management in government, including problems of administrative reorganization, public finance, and personnel selection. Prerequisite: Government 51. (Alternates with Government 114.) WEHLING

181. LEGISLATION. (Given in the School of Law as Law 176.) Sem. 2. Cr. 2. The Legislative Process: (1) The formulation of legislative policy, (2) Legislative organization and procedure, (3) Influencing legislative action. The Culmination of the Legislative Process in Statutes: (1) Types of Statutes—general and special legislation, private acts, retroactive laws: curative, ex post facto laws, remedial laws, penal laws, codification, resolutions; (2) Interpretation of Statutes; (3) Structure of Statutes. Prerequisite: Entrance requirements of the School of Law and consent of the instructor. (Given in alternate years.) MORLAND

182. ADMINISTRATIVE LAW. (Given in the School of Law as Law 150.) Sem. 2. Cr. 2. Development of administrative law; administrative discretion; delegation of legislative power and administrative rule-making; administrative adjudication; administrative finality; extraordinary remedies in administrative cases; collateral attack upon acts against administrative officers; administrative authority in specific illustrative cases. Open to a limited number of advanced students. Not open to pre-legal students. Prerequisite: Entrance requirements of the School of Law and consent of the instructor. (Given in alternate years.)

183. CONSTITUTIONAL LAW. (Given in the School of Law as Law 211.) Sem. 1. Cr. 4. Relations between federal government and the state; scope of legislative, judicial, and executive powers; interstate commerce; money; federal taxation; territories and dependencies; constitutional limitations in favor of life, liberty, and property; due process of law and equal protection of the laws; powers of states. Open to a limited number of advanced students. Not open to pre-legal students. Prerequisite: Entrance requirements of the School of Law and consent of the instructor. (Given in alternate years.)

189. INTERNATIONAL LAW. Sem. 1. Cr. 3. The nature, origin, and development of law among the states of the world. Leading principles illustrated with cases. Prerequisite: junior or senior standing. (Alternates with Government 151.) WEHLING

191. THE TEACHING OF SOCIAL STUDIES. Sem. 1. Cr. 2. A study of the methods of teaching social studies in secondary schools (see Education 191). (This course may not be counted toward a major or minor in this department.) SCHENCK

192. PRO-SEMINAR IN POLITICAL THEORY. Sem. 2. Cr. 2. Special problems in the philosophy of government. Prerequisites: junior or senior standing, and Government 103 and 104. (Alternates with Government 194.) (Not offered in 1948-1949.)

193. PRO-SEMINAR IN CONTEMPORARY WORLD POLITICS. Sem. 1. Cr. 2. Special problems in the interrelations of the contemporary policies of the great powers. Prerequisites: junior or senior standing, and Government 101 and 102. (Alternates with Government 195.) (Not offered in 1948-1949.)

194. PRO-SEMINAR IN AMERICAN POLITICS. Sem. 2. Cr. 2. Special problems in the contemporary American political scene. Prerequisites: junior or senior standing, and Government 113 or 114. (Alternates with Government 192.) WEHLING

195. PRO-SEMINAR IN INTERNATIONAL ORGANIZATIONS. Sem. 1. Cr. 2. Special problems of the United Nations and its affiliated organizations. Prerequisites: junior or senior standing, and Government 101 and 102. (Alternates with Government 193.) WEHLING

THE DEPARTMENT OF HOME ECONOMICS

Professor Bauer (Acting Head), Mrs. Thorne, and Miss Franck

The aims of this department are: (1) to provide courses in personal and family living for the liberal arts student, and (2) to meet the professional needs of the student interested in teaching general home economics or in preparing herself for some commercial phase of home economics.

DEGREE—Completion of the degree requirements of the College of Arts and Sciences with a major in Home Economics leads to the degree of Bachelor of Science in Home Economics (B. S. in H. E.).

MAJOR—Students majoring in this department must complete the following courses: Home Economics 3, 4, 7, 8, 51, 52, 71, 101, 102, 140, 149, and 152; Sociology 101, Psychology 51 and 107, and Art 1 and 2. In addition, they must include the following courses among those offered for completion of the natural science and social science requirements of the lower division of the College of Arts and Sciences: Chemistry 51 and 56, Biology 51 and 52, Sociology 51 and 52, Economics 51 and 52.

MINOR—Students minoring in this department must complete twelve credit hours of home economics.

APPROVAL OF SCHEDULES—All students taking a major or minor in this department and all students planning to teach home economics must have their schedules approved by the head of the department at the beginning of each semester.

COURSES IN HOME ECONOMICS

3. **ELEMENTARY FOODS.** Each semester. 2+3, Cr. 3. Food selection, composition, and preparation. Class demonstrations and individual laboratory work. Laboratory fee, \$7.50. DIZER

4. **CLOTHING PROBLEMS.** Sem. 2. 2+3, Cr. 3. A study of the problems involved in wardrobe planning and in the care and selection of fabrics. Laboratory work in the fundamentals of garment construction. Laboratory fee, \$2.50. FRANCK

5. **SURVEY OF HOME ECONOMICS.** 1+2, Cr. 2. A survey course in food preparation, clothing, and general homemaking for the student who is not planning to take a major or minor in home economics. Laboratory fee, \$2.50. (Not offered in 1948-49.)

6. **SURVEY OF HOME ECONOMICS.** 1+2, Cr. 2. A continuation of Home Economics 5. No prerequisite. Laboratory fee, \$2.50. (Not offered in 1948-49.)

7. **INTRODUCTION TO NUTRITION.** Sem. 1. 3+0, Cr. 3. A study of the elementary principles of nutrition; an evaluation of dietaries. DIZER

8. **ART IN DAILY LIVING.** Each semester. 2+2, Cr. 3. A study of the principles of art in the home, with emphasis on the development of good taste in costume, home furnishing, and creative design. Laboratory work in applied art problems. Laboratory fee, \$2.50. FRANCK

51. **FOODS.** Sem. 2. 2+3, Cr. 3. A study of the economic and nutritional problems involved in buying and utilizing food and of the managerial aspects of meal planning and meal service. Prerequisite: Home Economics 3. Laboratory fee, \$7.50. DIZER

52. **CLOTHING CONSTRUCTION.** Sem. 1. 2+3, Cr. 3. Clothing construction, with emphasis upon tailoring and the study of textiles. Some work in remodeling. Prerequisite: Home Economics 4. Laboratory fee, \$2.50. FRANCK

71. **TEXTILES.** Sem. 2. 2+0, Cr. 2. A study of fibers, yarns, construction, color, and finish as a basis for the selection, care, and use of textile fabrics. No prerequisite. FRANCK

101. **HOME NURSING.** Sem. 2. 2+0, Cr. 2. A study of the practical nursing techniques and procedures in the care of patients and the prevention of illness in the home. Prerequisite: sophomore standing. FRANCK

102. **HOME FURNISHING.** Sem. 1. 2+2, Cr. 3. Application of the principles of art to the planning and furnishing of a house. Prerequisite: Home Economics 8. FRANCK

140. **CHILD DEVELOPMENT.** Sem. 2. 3+0, Cr. 3. Factors affecting the physical, social, and emotional development of young children. Fundamental principles in the guidance of children. Prerequisite: junior standing. DIZER

149. **QUANTITY COOKERY.** Sem. 1. 2+3, Cr. 3. Administration, equipment, and accounting for various types of institutions, with special emphasis on the school lunchroom — actual experience given in the university cafeteria. Prerequisite: Foods 3 and 51. DIZER

152. **HOME MANAGEMENT.** Sem. 2. 2+2, Cr. 3. A study of the economic factors in the management of a home; an analysis of the homemaker's expenditure of time, money, and service. Prerequisite: junior standing. Laboratory fee, \$2.50. DIZER

191. **THE TEACHING OF HOME ECONOMICS.** Each semester. Cr. 2. A study of the methods of teaching home economics in the secondary schools (See Education 191). This course may not be counted toward a major or minor in this department. Prerequisite: senior standing. DIZER

THE DEPARTMENT OF MATHEMATICS AND PHYSICS

*Professor Thomas (Head), Assistant Professor Carlson, Miss Swanson,
Mr. Pauley, Mr. DeVol, Miss Fisher, Mr. Raelson, Mrs. Peting.*

APPROVAL OF SCHEDULES — All students taking a major or a minor in this department and all students planning to teach mathematics and physics must have their schedules approved by the head of the department at the beginning of each semester.

MATHEMATICS

This department offers: (1) training in the mathematical technique required by the scientist and the engineer for the successful prosecution of their work; (2) instruction for those who are studying mathematics for its own sake or with a view toward teaching the subject.

Practical problems are given precedence over those that are purely theoretical. The principles of pure mathematics, however, are not neglected.

MAJOR — Twenty-four credits are required for a major.

Students having a major in view should begin their mathematics in the freshman year. Physics 141 may be counted toward a mathematics major, and students majoring in mathematics are advised to take this course.

MINOR — A minor consists of 51 and 52 (or 61 and 62) and any other two courses above 100.

COURSES IN MATHEMATICS

0. **HIGH-SCHOOL ALGEBRA.** Sem. 1. Cr. 0. This course in first-year high-school algebra will meet five periods per week. It will give one high-school unit for admission to the University. PAULEY

00. **PLANE GEOMETRY.** Sem. 1. Cr. 0. This course in high-school plane geometry will meet five periods per week. It will give one high-school unit of plane geometry for admission to the University. PETING

01. **SOLID GEOMETRY.** Sem. 1. Cr. 0. The elements of solid geometry; required of all engineering freshmen who have not had solid geometry in high school. This course will meet three periods per week. PAULEY

51. **COLLEGE ALGEBRA AND TRIGONOMETRY.** Sem. 1. Cr. 4. Three hours' work in college algebra and one in trigonometry. This course is intended for liberal arts students. THE STAFF

52. **TRIGONOMETRY AND ANALYTIC GEOMETRY.** Sem. 2. Cr. 4. Two hours' work in plane trigonometry and two hours in plane analytic geometry. Prerequisite: Mathematics 51. THE STAFF

61. **ENGINEERING MATHEMATICS.** Sem. 1. Cr. 5. First semester mathematics for the engineer. Consists of college algebra and trigonometry. THE STAFF

62. **ENGINEERING MATHEMATICS.** Sem. 2. Cr. 5. Second semester mathematics for the engineer. Consists of trigonometry and analytic geometry. Prerequisite: Mathematics 61. THE STAFF
111. **DIFFERENTIAL CALCULUS.** Sem. 1. Cr. 4. Prerequisite: Mathematics 52 or 62. SWANSON, FISHER AND RAEISON
112. **INTEGRAL CALCULUS.** Sem. 2. Cr. 4. Prerequisite: Mathematics 111. SWANSON, FISHER AND RAEISON
114. **INTEGRAL CALCULUS AND DIFFERENTIAL EQUATIONS.** Sem. 2. Cr. 6. This course is intended primarily for electrical engineers. Prerequisite: Mathematics 111. MR.....
131. **ADVANCED ALGEBRA.** Sem. 1. Cr. 3. Selected topics in advanced college algebra. Prerequisite: Mathematics 52 or 62. RAEISON
132. **COLLEGE GEOMETRY.** Sem. 2. Cr. 3. Selected topics in advanced synthetic or analytic geometry. Prerequisite: Mathematics 52 or 62. SWANSON
141. **VECTOR ANALYSIS.** Sem. 1. Cr. 2. An introductory course in vector analysis with applications to physical problems. Prerequisite: Mathematics 112. SWANSON
142. **THEORY OF EQUATIONS.** Sem. 2. Cr. 3. An introduction to the theory of equations consisting of selected topics in the theory of integral rational equations. Prerequisite: Mathematics 52 or 62. RAEISON
152. **MATHEMATICS OF FINANCE.** Sem. 2. Cr. 3. Interest, annuities, amortization, and bond valuation. Prerequisite: Mathematics 51 or 61. SWANSON
171. **ADVANCED CALCULUS.** Sem. 1. Cr. 3. Selected topics in advanced calculus. Prerequisite: Mathematics 112. SWANSON
172. **DIFFERENTIAL EQUATIONS.** Sem. 2. Cr. 3. An introduction to the solution and application of differential equations. Prerequisite: Mathematics 112. FISHER
191. **THE TEACHING OF MATHEMATICS.** Cr. 2. A study of the methods of teaching mathematics in secondary schools (See Education 191). Prerequisite: minor in mathematics. This course may not be counted toward a major or minor in this department. (Given upon sufficient demand.) PAULEY
195. **SPECIAL PROBLEMS IN MATHEMATICS.** (Given on demand.) 1 or 2 credits. Each student attacks an elementary research problem. A written report is required. Prerequisite: 16 hours of mathematics and the consent of the head of the department. THE STAFF

PHYSICS

Because of its fundamental importance in the different branches of applied science, physics (a) serves the needs of the technical student, the students of engineering and of pre-medicine. Provision has also been made for the interests of two other groups of students; namely, (b) those in the College of Arts and Sciences who desire some knowledge of physical science for its cultural value, and (c) those who are looking forward to a career in physics, either in the teaching profession or in industrial research.

MAJOR — Twenty-four credits in physics constitute a major.

A minor in mathematics is necessary for a physics major.

MINOR — A minor consists of 51 and 52 (or 61 and 62) and any other two courses above 100.

COURSES IN PHYSICS

51. GENERAL PHYSICS. Sem. 1. 3+3, Cr. 4. Mechanics, sound, and heat. Laboratory fee, \$8.00. THOMAS, DEVOL AND PAULEY
52. GENERAL PHYSICS. Sem. 2. 3+3, Cr. 4. Electricity and light. Laboratory fee, \$8.00. THOMAS, DEVOL AND PAULEY
61. TECHNICAL PHYSICS. Sem. 1. 3+6, Cr. 5. Mechanics, sound, and heat. This course is intended particularly for the engineer. Prerequisite: Mathematics 62. Laboratory fee, \$8.00. DEVOL
62. TECHNICAL PHYSICS. Sem. 2. 3+6, Cr. 5. Electricity and light. This course is intended particularly for the engineer. Prerequisite: Mathematics 62. Laboratory fee, \$8.00. DEVOL
81. GLASS BLOWING. Sem. 1. 0+3, Cr. 1. The rudiments of glass blowing and, if desired, other laboratory manipulations. Laboratory fee, \$8.00. THOMAS
101. MODERN PHYSICS. Sem. 1. 3+3, Cr. 4. An introduction to the work done in physics during the last forty years. Prerequisite: Physics 51 and 52 or 61 and 62. Laboratory fee, \$8.00. THOMAS
105. ELEMENTARY ELECTRONICS. Sem. 1. 1+3, Cr. 2. An introduction to industrial and laboratory applications of electron tubes. Prerequisite: Physics 52 or 62. Laboratory fee, \$8.00. (Not offered in 1947-1948.)
112. THEORY OF HEAT. Sem. 2. 2+6, Cr. 4. Thermal properties of matter, introduction of thermodynamics, properties of vapors, pyrometry and other thermal phenomena are studied. Prerequisite: Physics 51 and 52 or 61 and 62. Laboratory fee, \$8.00. DEVOL
122. THEORY OF LIGHT. Sem. 2. 2+6, Cr. 4. Geometrical and physical optics, spectroscopy, and the general properties of radiant energy will be considered. Prerequisite: Physics 51 and 52 or 61 and 62 and Mathematics 112. May be taken concurrently with Mathematics 112. Laboratory fee, \$8.00. THOMAS
126. DESCRIPTIVE ASTRONOMY. Sem. 2. 3+0, Cr. 3. A general introduction to non-mathematical astronomy. Laboratory hours may be inserted in place of some of the recitations. This course may not be applied on a major or a minor in physics. Laboratory fee, \$2.00. THOMAS
132. ELECTRICITY AND MAGNETISM. Sem. 2. 2+6, Cr. 4. The basic principles of electrical and magnetic phenomena are investigated. Prerequisite: Physics 51 and 52 or 61 and 62 and Mathematics 112. May be taken concurrently with Mathematics 112. Laboratory fee, \$8.00. DEVOL
141. THEORETICAL MECHANICS. Sem. 1. 3+0, Cr. 3. The mathematical theory of statics and Newtonian dynamics. Prerequisite: Physics 51 and 52 or 61 and 62 and Mathematics 112. THOMAS
184. GENERAL ASTRONOMY. Sem. 2. 3+0, Cr. 3. Students taking this course will attend the lectures of Physics 126 and will be required to do additional laboratory and problem work. This course may be applied on a physics major or minor. Prerequisite: Mathematics 52 or 62 and Physics 51 and 52 or 61 and 62. Laboratory fee, \$2.00. THOMAS
191. THE TEACHING OF PHYSICS. 1+3, Cr. 2. A study of the methods of teaching physics in secondary schools (See Education 191). Prerequisite: minor in Physics. Laboratory fee, \$8.00. This course may not be counted toward a major or minor in this department. (Given upon sufficient demand.) PAULEY
195. SPECIAL PROBLEMS IN PHYSICS. Sem. 1. Cr. 1 or 2. Each student attacks an elementary research problem. A written report is required. Prerequisite: 16 hours of Physics and the consent of the head of the department. Laboratory fee, \$2.00 per credit hour. THOMAS

DEPARTMENT OF MUSIC

Professor Hoelty-Nickel (Head); Associate Professor Schoenbohm; Assistant Professors Bichsel and Powell; Miss Preusser, Mr. Weinhorst, Miss Peterson, Miss Pollex, Miss Siebach, Mr. Golz, Mr. Fields, Mr. Edwards.

MAJOR — Twenty-four credit hours of music beyond Music 13 and 14 are required of students majoring in this department.

MINOR — Twelve credit hours of music beyond Music 13 and 14 are required of students minoring in this department.

A maximum of eight hours of applied music may be counted toward a major.

A maximum of four hours of applied music may be counted toward a minor.

SUPERVISOR'S COURSE — Students who are planning to become supervisors of music should enroll for the Curriculum in Public School Music listed on page 107.

APPROVAL OF SCHEDULES — All students taking a major or a minor in the department and all students planning to teach music must have their schedules approved by the head of the department at the beginning of each semester.

COURSES IN APPLIED MUSIC

The department offers instruction in various branches of applied music such as voice, piano, organ, string instruments, woodwinds, and brass.

PIANO REGISTRATION will be divided as follows:

Piano A — For music majors or minors who wish to place special emphasis on development of pianistic technique and repertory. Registration for Piano A presupposes a fair degree of advancement in pianistic ability. One or two hours credit.

Piano B — Four semesters of Piano B are required as a co-requisite with Music Theory I and Music Theory II of all music majors and minors not enrolled in Piano A. Emphasis is on keyboard harmony: a practical knowledge of keys, intervals, chord structures and progressions, harmonization of melodies, realization of figured basses, modulation, improvisation, and the development of sight-reading ability.

Piano C — Open to all students in the University regardless of major study or degree of advancement. Material is planned by the instructor according to the needs of the individual student.

Seventeen private lessons per semester in applied music throughout his entire course is required of every student majoring in the department.

One semester credit is granted for seventeen private lessons per semester plus one hour daily of practice five days per week throughout one semester.

Students in applied music are required to schedule private lessons in advance with the instructor. Absence from scheduled lessons may only be made up at the discretion of the instructor.

COURSES IN THEORY

7. INTRODUCTION TO MUSIC. Sem. 1. Cr. 0. A one-hour course discussing the general nature of music. A study of musical language and an analysis of the various musical forms. HOELTY-NICKEL

8. INTRODUCTION TO MUSIC. Sem. 2. Cr. 0. A one-hour course continuing the work of Music 7. No prerequisite. HOELTY-NICKEL

13. MUSIC THEORY I. Sem. 1. 1+4, Cr. 3. Fundamentals of music theory: ear training, sight singing, keyboard harmony, and written work in the major and minor scales. Includes study of intervals, elementary rhythms, and cadence formulas. Simple harmonic and melodic dictation, elementary creative work.

14. MUSIC THEORY I. Sem. 2. 1+4, Cr. 3. A continuation of Music 13.

61. ADVANCED EAR TRAINING AND SIGHT SINGING. Sem. 1. 1+2, Cr. 2. A continuation of Music 10*. Prerequisite: Music 10. PREUSSER

62. ADVANCED EAR TRAINING AND SIGHT SINGING. Sem. 2. 1+2, Cr. 2. A continuation of Music 61. Prerequisite: Music 61 or equivalent. PREUSSER

71. HARMONY. Sem. 1. 1+2, Cr. 2. A study of diatonic harmony and the principles of chord progression; harmonization of figured and unfigured basses and of melodies; elementary modulation; harmonic analysis; original work. Prerequisite: Music 14 or equivalent. PREUSSER

72. HARMONY. Sem. 2. 1+2, Cr. 2. A continuation of Music 71. Prerequisite: Music 71. PREUSSER

101. ADVANCED HARMONY. Sem. 1. 1+2, Cr. 2. A study of nineteenth century chromatic harmony; advanced modulation; harmonic analysis; original work. Prerequisite: Music 72 or equivalent. POWELL

102. ADVANCED HARMONY. Sem. 2. 1+2, Cr. 2. A continuation of Music 101. Prerequisite: Music 101 or equivalent. POWELL

103. HISTORY AND LITERATURE OF MUSIC. Sem. 1. Cr. 2. The development of music from the ancient, medieval periods through the classical, romantic and modern periods. Prerequisite: Music 102. HOELTY-NICKEL

104. HISTORY AND LITERATURE OF MUSIC. Sem. 2. Cr. 2. A continuation of Music 103. Prerequisite: Music 102. HOELTY-NICKEL

105. COUNTERPOINT. Sem. 1. Cr. 2. A study of the technique and the forms of the polyphonic vocal style of the sixteenth century. Applied counterpoint in two, three, and more parts with and without a cantus firmus. Prerequisite: Music 72 or equivalent. POWELL

106. COUNTERPOINT. Sem. 2. Cr. 2. A continuation of Music 105. Prerequisite: Music 105 or equivalent. POWELL

107. MUSICAL FORM. Sem. 1. Cr. 2. A study of the more important homophonic and contrapuntal forms in music. Analysis of representative standard works as to form, structure, and harmonic content. Prerequisite: Music 72 or equivalent. HOELTY-NICKEL

* Ear Training and Sight Singing 10 was last offered Winter Semester, 1948.

108. MUSICAL FORM. Sem. 2. Cr. 2. A continuation of Music 107. Prerequisite: Music 107 or equivalent. HOELTY-NICKEL

109. ELEMENTARY SCHOOL MUSIC METHODS. Sem. 1. Cr. 2. A study of music materials and courses in classroom music procedure for elementary grades. This course may not be counted toward a major or minor in this department. Mr.....

110. ELEMENTARY SCHOOL MUSIC METHODS. Sem. 2. Cr. 2. A continuation of Music 109. This course may not be counted toward a major or minor in this department. Mr.....

113. INSTRUMENTATION. Sem. 1. Cr. 2. A study of the characteristics and use of orchestral instruments. WIENHORST

115. INSTRUMENTAL METHODS. Each semester. Cr. 1. A study of methods for class instruction in woodwinds. WIENHORST

116. INSTRUMENTAL METHODS. Each semester. Cr. 1. A study of methods for class instruction in stringed instruments. GOLZ

117. INSTRUMENTAL METHODS. Each semester. Cr. 1. A study of methods for class instruction in brasses. EDWARDS

155. ADVANCED COUNTERPOINT. Sem. 1. Cr. 1. Free counterpoint in two, three, and four parts; canonic imitation; invertible counterpoint; the writing of original canons and other simple contrapuntal forms. Prerequisite: Music 102 and 106. POWELL

156. ADVANCED COUNTERPOINT. Sem. 2. Cr. 1. A continuation of Music 155. Prerequisite: Music 155. POWELL

157. COMPOSITION. Sem. 1. Cr. 2. Development of creative ability through practice in the writing of simple two and three part forms, rondo, variation, and sonata forms. Prerequisite: Music 102. POWELL

158. COMPOSITION. Sem. 1. Cr. 2. A continuation of Music 157. Prerequisite: Music 157. POWELL

162. ORCHESTRATION. Sem. 2. Cr. 2. The technique of scoring for orchestra and band. Prerequisite: Consent of the head of the department. WIENHORST

165. CHORAL AND ORCHESTRAL CONDUCTING. Sem. 1. Cr. 1. The fundamentals of conducting choral and instrumental groups; baton technique, interpretation, and leadership. Prerequisite: Consent of the head of the department. WIENHORST

166. CHORAL AND ORCHESTRAL CONDUCTING. Sem. 2. Cr. 1. A continuation of Music 165. Prerequisite: Music 165. WIENHORST

190. PIANO PEDAGOGY. Each semester. Cr. 1. A consideration of the methods of teaching piano at various levels; fundamental approaches to piano technique; correlation of music theory with piano instruction; standard repertoire and interpretation. POWELL

191. HIGH SCHOOL MUSIC METHODS. Sem. 1. Cr. 2. A teacher's course. Principles of planning, organizing, and teaching the various kinds of music courses and activities in high schools (See Education 191). Prerequisite: Music 109 and 110. This course may not be counted toward a major or minor in this department. Mr.....

192. HIGH SCHOOL MUSIC METHODS. Sem. 2. Cr. 2. A continuation of Music 191. Prerequisite: Music 109 and 110. This course may not be counted toward a major or minor in this department. Mr.....

195. HISTORY OF CHURCH MUSIC. Cr. 2. Historical development of Evangelical Church Music from the sixteenth to the twentieth century. (Given in Church Music Institute, 1947.) HOELTY-NICKEL

196. SERVICE PLAYING. Sem. 2. Cr. 1. A practical course in the function of the organ in the church service. A study of organ literature in its relation and application to liturgical playing. Correct hymn playing. Correct accompaniment, modulation, improvisation. Prerequisite: Four semesters of organ, or the equivalent.

(Students wishing to submit the equivalent as a prerequisite must have the consent of the head of the department and the instructor.) **HOELTY-NICKEL**

197. **KEYBOARD HARMONY AND IMPROVISATION.** Cr. 3. Practical keyboard work including preliminary drills to establish familiarity with all major and minor keys and church modes; chords and chord progressions, harmonization of melodies, and realization of figured basses; transposition, modulation, and improvisation with special emphasis on the needs of the church organist. (Given in Church Music Institute, 1947.) **POWELL AND HOELTY-NICKEL**

ENSEMBLE

1A. **SCHOLA CANTORUM.** Each semester. Cr. 0. Open to all students seeking experience in choral singing. Daily rehearsals. Fee, \$2.00 per semester.

HOELTY-NICKEL

1E. **UNIVERSITY CHOIR.** Each semester. Cr. 0. Admission by examination only. Daily rehearsals. Fee, \$2.00 per semester.

SCHOENBOHM

3A. **UNIVERSITY ORCHESTRA.** Each semester. Cr. 0. Open to all students who play orchestral instruments and who can qualify in auditions. Study of standard string and symphonic literature. Sectional and full rehearsals.

GOLZ AND HOELTY-NICKEL

3B. **CHAMBER MUSIC.** Each semester. Cr. 0. Open to students who play piano, string, or woodwind instruments and who can qualify in auditions. Study of standard chamber music literature. One hour per week.

GOLZ

4A. **UNIVERSITY CONCERT BAND.** Each semester. Cr. 0. Open to all students playing band instruments who can qualify in auditions. Study of standard band literature. Sectional and full rehearsals.

WIENHORST

4E. **VARSITY BAND.** Each semester. Cr. 0. Open to all students playing band instruments. Review of fundamentals and study of representative band literature. Sectional and full rehearsals.

WIENHORST

CURRICULUM IN PUBLIC SCHOOL MUSIC

FRESHMAN YEAR

	<i>First Semester</i>	<i>Cr.</i>		<i>Second Semester</i>	<i>Cr.</i>
Engl.	1. Freshman Composition	3	Engl.	2. Freshman Composition	3
	Religion.....	2		Religion.....	2
	Social Science	3		Social Science	3
Mus.	7. Introduction to Music..	0	Mus.	8. Introduction to Music	0
Mus.	13. Music Theory I	3	Mus.	14. Music Theory I	3
	Piano	1		Piano	1
	Foreign Language	3		Foreign Language	3
Phys. Ed.	1. Freshman Physical		Phys. Ed.	2. Freshman Physical	
	Education.....	1		Education.....	1
Sociol.	1. Orientation	0			
		16			16

SOPHOMORE YEAR

	<i>First Semester</i>	<i>Cr.</i>		<i>Second Semester</i>	<i>Cr.</i>
Engl.	51. Survey of English		Engl.	52. Survey of English	
	Literature.....	3		Literature.....	3
	Foreign Language	3		Foreign Language	3
Psych.	51. General Psychology	3	Educ.	62. Public Education	3
Mus.	51. Music Theory II	3	Mus.	52. Music Theory II	3
	Piano	1		Voice	1
	Voice	1		Piano	1
Phys. Ed.	51. Sophomore Physical		Phys. Ed.	52. Sophomore Physical	
	Education.....	1		Education.....	1
	Elective	1		Elective	1
		16			16

JUNIOR YEAR

<i>First Semester</i>			<i>Second Semester</i>		
		Cr.			Cr.
Mus.	101. Advanced Harmony	2	Mus.	102. Advanced Harmony	2
Psych.	101. Educational Psychology	3	Educ.	118. Secondary Education ..	2
	Voice	1		Voice	1
Mus.	109. Elementary School		Mus.	110. Elementary School	
	Music Methods	2		Music Methods	2
	Orchestral Instrument..	1		Orchestral Instrument..	1
	Laboratory Science	4		Laboratory Science	4
Mus.	115, 116 or 117. Instrumental Methods	1	Mus.	115, 116 or 117. Instrumental Methods	1
Engl.	81. Public Speaking	2		Elective	1
		16			16

SENIOR YEAR

<i>First Semester</i>			<i>Second Semester</i>		
		Cr.			Cr.
Mus.	103. History and Literature of Music	2	Mus.	104. History and Literature of Music	2
Educ.	161. Principles of Teaching	3		Religion	2
Mus.	113. Instrumentation	2	Mus.	162. Orchestration	2
Mus.	165. Choral and Orchestral Conducting	1	Mus.	166. Choral and Orchestral Conducting	1
	Applied Music	2		Applied Music	2
Mus.	191. High School		Mus.	192. High School	
	Music Methods	2		Music Methods	2
	Elective	4	Educ.	193. Supervised Teaching ..	5
		16			16

Ensemble is required each year. The student is required to take choir and either band or orchestra.

Besides completing the above curriculum, students with a major in Public School Music must present evidence that they have satisfied the following performance standards:

(a) Piano: the ability to read and play simple accompaniments and compositions of moderate difficulty.

(b) Voice: the ability to sing with tone quality and artistic interpretation.

(c) Sight reading: the ability to read at sight compositions of moderate difficulty.

THE DEPARTMENT OF PHILOSOPHY

Professor Haentzschel (Head), Mr. Pelikan

The courses in philosophy acquaint the student with the efforts of the human mind to understand the nature of the world and of man, of right and wrong, and of knowledge and truth. He is encouraged to weigh what the masters have thought and discovered about these matters in order that he may derive profit for his own thinking. The bearing of philosophical thought on Christian faith and life is considered and weighed, so that the student may be aided in forming a unified world view which takes account of every type of truth.

APPROVAL OF SCHEDULES — All students taking a major or a minor in the department must have their schedules approved by the head of the department at the beginning of each semester.

MAJOR — Twenty-four credit hours are required for a major.

MINOR — Twelve credit hours are required for a minor.

COURSES IN PHILOSOPHY

71. **PROBLEMS OF PHILOSOPHY.** Sem. 1. Cr. 3. A discussion of outstanding problems that engage reflective thought. Prerequisite: sophomore standing.

PELIKAN

101. **ANCIENT AND MEDIEVAL PHILOSOPHY.** Sem. 1. Cr. 3. An introduction to the history of philosophy from 625 B.C. to 1453 A.D. Prerequisite: sophomore standing.

PELIKAN

102. **MODERN PHILOSOPHY.** Sem. 2. Cr. 3. An introduction to the history of philosophy from 1453 to the present. Prerequisite: sophomore standing.

PELIKAN

104. **MAN AND HIS DESTINY.** Sem. 2. Cr. 3. A general introduction to past and present theories concerning man and his place in the world. Prerequisite: sophomore standing.

HAENTZSCHEL

105. **ETHICS.** Sem. 1. Cr. 3. A study of the principles and problems of right and wrong. Prerequisite: sophomore standing.

HAENTZSCHEL

106. **LOGIC.** Sem. 2. Cr. 3. An elementary study of good and bad reasoning. Prerequisite: sophomore standing.

HAENTZSCHEL

112. **PLATO AND ARISTOTLE.** Sem. 2. Cr. 3. A study of selected writings of these Greek thinkers. Prerequisite: Philosophy 101.

HAENTZSCHEL

143. **REPRESENTATIVE CHRISTIAN THINKERS.** Sem. 2. Cr. 3. A course acquainting the student with the chief systems in the history of Christian thought. Prerequisite: sophomore standing.

PELIKAN

THE DEPARTMENT OF PHYSICAL EDUCATION

*Assistant Professor Bauer (Head), Assistant
Professors Ellis and Watson, Mr. Warnke,
Mr. Scrivnor, Miss.....*

The aims of the department are: (1) to teach the value of a healthy, well co-ordinated body, (2) to promote good health, (3) to develop strength, endurance, and motor skills, (4) to establish desirable play attitudes and habits, and (5) to train recreation leaders and teachers of physical education.

To achieve these aims, the department sponsors a four-fold program: (1) required physical education, (2) advanced theory courses in physical education leading to a major or minor, (3) intramural athletics (extra-curricular), and (4) intercollegiate athletics (extra-curricular).

DEGREE — Completion of the degree requirements of the College of Arts and Sciences with a major in Physical Education leads to the degree of Bachelor of Science in Physical Education (B.S. in P.E.).

MAJOR — Students majoring in this department must complete twenty-four credit hours of physical education beyond Physical Education 2 as well as Biology 116 (Anatomy and Physiology) and English 81 (Public Speaking). In addition, they must include the following courses among those offered for completion of the natural science requirements of the lower division of the College of Arts and Sciences: Chemistry 51 and 56; Biology 51 and 52.

MINOR — Twelve credit hours beyond Physical Education 52 are required for a minor in this department.

Courses 1 to 52, inclusive, may not be counted toward major or minor in the department.

APPROVAL OF SCHEDULES — All students taking a major or a minor in the department and all students planning to teach physical education must have their schedules approved by the head of the department at the beginning of each semester, beginning with their freshman year.

REQUIRED COURSES FOR MEN

1. **FRESHMAN PHYSICAL EDUCATION AND HYGIENE.** Sem. 1. Cr. 1. Mass exercises, individual combat exercise (boxing and wrestling), games, fundamentals of touch football, basketball, tumbling, badminton, tennis, golf, elementary apparatus, and volleyball. Bi-weekly lectures on hygiene. Restricted physical education is offered for men not able to participate in regular class activities. Required of all freshman men. Two periods per week.

2. **FRESHMAN PHYSICAL EDUCATION AND HYGIENE.** Sem. 2. Cr. 1. A continuation of Course 1. Required of all freshman men. Two periods per week.

51. SOPHOMORE PHYSICAL EDUCATION. Sem. 1. Cr. 1. A continuation of Course 2. Advanced work in boxing, wrestling, apparatus, and athletic games. Restricted physical education is offered for men not able to participate in regular activities. Required of all sophomore men. Two periods per week. (51-A may be substituted for 51.)

51-A. BOWLING. Sem. 1 and 2. Cr. 1. Individual instruction in the fundamentals of bowling. Shoes and balls provided. Class meets twice a week. Laboratory fee, \$6.00. (Course given upon sufficient demand.)

52. SOPHOMORE PHYSICAL EDUCATION. Sem. 2. Cr. 1. A continuation of Course 51. Required of all sophomore men. Two periods per week.

52-A. ADVANCED BOWLING. Sem. 1 and 2. Cr. 1. Two periods per week. Laboratory fee, \$7.00. (Course given upon sufficient demand.) A student may substitute 51-A and 52-A for 51 and 52, or a student may take 52-A without taking 51-A, upon approval of the Head of the Department.

REQUIRED COURSES FOR WOMEN

1. FRESHMAN PHYSICAL EDUCATION AND HYGIENE. Sem. 1. Cr. 1. Fundamentals of team sports, individual sports and folk dancing. Bi-weekly lectures on hygiene. For all women whose physical examination indicates the need of restricted work, special activities to fit individual cases are given with emphasis upon remedying faulty body mechanics. Recreational games of the less strenuous type are played. Women judged by the University Physician as physically unfit for active exercise are required to earn their physical education credit by observing a regularly scheduled class in the department. Required of all freshman women. Two periods per week.

2. FRESHMAN PHYSICAL EDUCATION AND HYGIENE. Sem. 2. Cr. 1. A continuation of Course 1. Required of all freshman women. Two periods per week.

51. SOPHOMORE PHYSICAL EDUCATION. Sem. 1. Cr. 1. More advanced work in the activities listed under Courses 1 and 2. For all women whose physical examination indicates the need of restricted work, special activities to fit individual cases are given with emphasis upon remedying faulty body mechanics. Recreational games of the less strenuous type are played. Women judged by the University Physician as physically unfit for active exercise are required to earn their physical education credit by observing a regularly scheduled class in the department. Required of all sophomore women. Two periods per week. (51-A may be substituted for 51.)

51-A. BOWLING. Sem. 1 and 2. Cr. 1. Individual instruction in the fundamentals of bowling. Shoes and balls provided. Class meets twice a week. Laboratory fee, \$6.00. (Course given upon sufficient demand.)

52. SOPHOMORE PHYSICAL EDUCATION. Sem. 2. Cr. 1. A continuation of Course 51. Required of all sophomore women. Two periods per week.

52-A. ADVANCED BOWLING. Sem. 1 and 2. Cr. 1. Two periods per week. Laboratory fee, \$7.00. (Course given upon sufficient demand.) A student may substitute 51-A and 52-A for 51 and 52, or a student may take 52-A without taking 51-A upon the approval of the Head of the Department.

ADVANCED COURSES FOR MEN AND WOMEN

NOTICE: Physical Education majors will be admitted to the following courses after completing Physical Education 1, 2 and 61 and upon receiving the permission of the head of the department to enter the course. Beginning with the Fall Semester 1947-1948, Armed Service credit may not be substituted for Freshman Physical Education 1 and 2 in the cases of veterans who are preparing to teach Physical Education.

61. **ORIENTATION IN PHYSICAL EDUCATION.** Sem. 2. Cr. 3. A study of the history, aims, objectives, and principles of physical education, giving the prospective teacher early in his training some understanding of what is involved in adequate preparation for teaching. Required for freshmen majoring in Physical Education.
71. **MINOR ATHLETICS AND GROUP GAMES.** Sem. 1. 1+2, Cr. 2. (Men) Learning techniques and preparation for teaching boxing, wrestling and group games. (Women) Learning techniques and preparation for teaching group games.
81. **COMMUNITY RECREATIONAL ACTIVITIES.** Sem. 1. 2+2, Cr. 3. Training in the theory and practice of leadership in recreational activities such as handicraft, games, group singing and dramatics.
94. **TECHNIQUE OF INDIVIDUAL SPORTS.** Sem. 2. 1+2, Cr. 2. (For women only.) A study of the rules, objectives and strategy of individual and dual sports for women.
96. **PERSONAL AND COMMUNITY HYGIENE.** Sem. 2. Cr. 2. A survey of factors which determine personal health and an introduction to methods used in preventing diseases in the individual and in the community.
105. **ORGANIZATION AND ADMINISTRATION OF HEALTH, SAFETY, AND PHYSICAL EDUCATION.** Sem. 1. Cr. 3. A study of the organization and administration of curricular and extra-curricular programs of health and physical education, including athletics.
115. **THEORY AND PRACTICE OF PLAY.** Sem. 1. 2+2, Cr. 3. A study of the rules, materials, methods, and educational objectives of organized play, including competitive team games and recreational sports. (1947-1948).
121. **ADVANCED GYMNASTICS.** Sem. 1. 1+4, Cr. 3. Advanced theory and practice of apparatus work, calisthenics, tumbling, stunts, and other gymnastics.
126. **THEORY AND PRACTICE OF RHYTHM.** Sem. 2. 1+2, Cr. 2. Fundamentals of rhythm as applied to games, play, songs, and other social recreational activities. Rhythmic analysis of sports skills and folk dancing.
128. **FIRST AID AND SAFETY.** Sem. 1. Cr. 2. Prevention and treatment of injuries, leading to the American Red Cross First Aid Certificate, with supplementary material in massage, treatment of athletic injuries and safety education.
132. **HEALTH AND SAFETY EDUCATION.** Sem. 2. Cr. 3. A study of the theory and practice of health and safety in the home, in occupational activities, in transportation, and in sports. Preventive procedures and treatment technique for injuries are emphasized.
152. **PRINCIPLES AND PRACTICES OF FOOTBALL AND BASKETBALL COACHING.** Sem. 2. 2+2, Cr. 3. History, rules, fundamentals, team play, strategy, offense and defense. Lectures, reports, discussions, and practice.
154. **RECREATIONAL SPORTS.** Sem. 2. 1+2, Cr. 2. Advanced theory and practice of recreational sport techniques with special emphasis on group and community recreational activities.
156. **PRINCIPLES AND PRACTICES OF BASEBALL AND TRACK COACHING.** Sem. 2. 1+2, Cr. 2. History, rules, fundamentals, team play, and strategy. Lectures, reports, discussions, and practice.
159. **TECHNIQUE OF TEAM SPORTS.** Sem. 2. 2+2, Cr. 3. (For women only.) A study of the rules, objectives and strategy of team sports for women.
162. **PHYSICAL EXAMINATIONS AND CORRECTIVES.** Sem. 2. Cr. 3. A study of body mechanics, physical examinations, and corrective physical education.
181. **TESTS AND MEASUREMENTS IN HEALTH AND PHYSICAL EDUCATION.** Sem. 1. Cr. 2. A study of motor ability tests, sports proficiency tests, health knowledge tests, etc.

191. THE TEACHING OF PHYSICAL EDUCATION. Sem. 1. Cr. 2. A study of the methods of teaching physical education in secondary schools (See Education 191). This course may not be counted toward a major or minor in this department.

192. ACTIVITIES FOR ELEMENTARY GRADES. Sem. 2. Cr. 2. Rhythms and dramatics activities for little children: relays, soccer, basketball, baseball and volleyball lead-up games, organized in progression from the first through the eighth grade.

COURSES IN RELIGION

Courses 1 and 2 are prerequisites for all other courses offered by this department and must be included among the eight credits required for graduation. Course 1 is taken during the freshman year and Course 2 during the sophomore year. Deviations from this requirement in sequence must be approved by the head of the department. Additional prerequisites are indicated in the course description.

1. THE TEACHING OF CHRISTIANITY. Each semester. Cr. 2. A study of the basic teachings of the Christian religion.

2. INTRODUCTION TO THE BIBLE. Each semester. Cr. 2. An introduction to the Bible: the principal divisions and subdivisions. Emphasis is placed upon the Messianic Covenant and its fulfillment in the establishment of Christianity.

3. THE HISTORY OF CHRISTIANITY. Each semester. Cr. 2. A survey of the rise and development of the Christian Church.

4. THE LIFE OF CHRIST. Each semester. Cr. 2. A study of the life and ministry of Christ according to the Four Gospels.

5. THE LIFE AND LETTERS OF ST. PAUL. Sem. 1. Cr. 2. A study of Paul's life and ministry as substantiated by the Book of Acts and the Pauline Epistles; the expansion of Christianity resulting from Paul's activity; together with a survey of the religious, social and political conditions of his time.

6. THE ASSURANCE OF SALVATION. Sem. 2. Cr. 2. A study of the historical background and doctrinal content of the basic confessions of the Lutheran Church.

7. THE CHURCH AND THE WORLD. Sem. 1. Cr. 2. A survey of the work of the church in the field of missions, in education, and in charity. Field trips are made within the Chicago area.

THE DEPARTMENT OF RELIGION

Professor Kumnick (Head), President Kretzmann, Professors Gieseler and Wismar, Assistant Professor Koepke, Mr. Oldsen, Mr. Krentz, Mr. Koenker

The aims of this department are (1) to acquaint the student with the sources, development, and teachings of Christianity, (2) to set forth the relevance of Christianity for the present age, (3) to prepare students for greater lay service in the church, and (4) to provide the courses in religion required by the deaconess training program offered by Valparaiso University.

MAJOR — Twenty-four credit hours of religion beyond Religion 51 are required of students taking a major in this department.

MINOR — Twelve credit hours of religion beyond Religion 51 are required of students taking a minor in this department.

With the approval of the Head of the Department, History 136, Geography 145, and Geology 158 may be included in a major or minor.

APPROVAL OF SCHEDULES — All students taking a major or minor in this department must have their schedules approved by the Head of the Department at the beginning of each semester.

COURSES IN RELIGION

Courses 1 and 51 are prerequisites for all other courses offered by this department and must be included among the eight credits required for graduation. Normally, Course 1 is taken during the freshman year and Course 51 during the sophomore year. Deviations from this requirement or sequence must be approved by the Head of the Department. Additional prerequisites are indicated in the course description.

1. **THE TEACHINGS OF CHRISTIANITY.** Each semester. Cr. 2. A study of the basic teachings of the Christian religion. THE STAFF

51. **INTRODUCTION TO THE BIBLE.** Each semester. Cr. 2. An introduction to the Bible, its principal divisions and subdivisions. Emphasis is placed upon the Messianic Covenant and its fulfillment in the establishment of Christianity. THE STAFF

71. **THE HISTORY OF CHRISTIANITY.** Each semester. Cr. 2. A survey of the rise and development of the Christian Church. KOENKER

91. **THE LIFE OF CHRIST.** Sem. 2. Cr. 2. A study of the life and ministry of Christ according to the Four Gospels. THE STAFF

92. **THE LIFE AND LETTERS OF ST. PAUL.** Sem. 1. Cr. 2. A study of Paul's life and message as authenticated by the Book of Acts and the Pauline Epistles; the expansion of Christianity resulting from Paul's activity, together with a survey of the religious, social and political conditions of his time. WISMAR

108. **THE AUGSBURG CONFESSION.** Sem. 2. Cr. 2. A study of the historical background and doctrinal content of the basic confession of the Lutheran Church. KUMNICK

110. **THE CHURCH AND HER WORK.** Sem. 1. Cr. 2. A survey of the work of the church in the field of missions, in education, and in charity. Field trips are made within the Chicago area. KUMNICK

116. **CHRISTIAN ART.** Sem. 2. Cr. 2. A study of the architectural, plastic, and pictorial expressions of the Christian faith together with a study of the symbolism of the church. **WISMAR**

120. **PRINCIPLES OF RELIGIOUS EDUCATION.** Sem. 1. Cr. 2. A course dealing with the following topics: (1) aims in the teaching of religion, (2) the learning process, and (3) methods of teaching religion. **KRENTZ**

130. **PSYCHOLOGY OF THE CHRISTIAN PERSONALITY.** Sem. 2. Cr. 2. A study of the development and functioning of a well-integrated personality. **OLDSEN**

141. **COMPARATIVE CHRISTIANITY.** Sem. 1. Cr. 2. A study of the creeds of the various Christian denominations in the light of the Holy Scriptures. **KOEPKE**

142. **COMPARATIVE RELIGIONS.** Sem. 2. Cr. 2. This course aims to acquaint the student with the religions of mankind, their concepts of God, their institutions, and the literatures. **WISMAR**

151. **HISTORY OF EARLY CHRISTIANITY.** Sem. 1. Cr. 2. A survey of the history of the Christian religion from Apostolic times to the fourth century. Special attention is given to the Apostolic Age, the expansion of Christianity, and the development of the great Christian creeds. Prerequisite: Religion 71.

KUMNICK, KOEPKE

158. **CHRISTIAN ETHICS.** Sem. 1. Cr. 2. A survey of Christian thought, ancient, medieval, and modern, in the field of social and individual ethics. The Scriptural approach to ethical problems will be basic and decisive. Prerequisite: junior standing and invitation by the instructor. **KRETMANN**

161. **CHRISTIANITY AND MODERN PROBLEMS.** Sem. 2. Cr. 2. A study of various problems of thought and life arising in the modern world in connection with the acceptance of the Christian faith. Prerequisite: junior standing and invitation by the instructor. **KRETMANN**

THE DEPARTMENT OF SOCIOLOGY AND SOCIAL WORK

Professor Bauer (Acting Head), Professor Kruger, Associate Professor Jox, Assistant Professor Steininger, Mr. Oldsen, Mrs. Tangerman, Miss Freeman

SOCIOLOGY

The object of the work in sociology is: (1) to familiarize the student with the forces and laws under which society evolves; (2) to bring him, as much as possible, into personal contact with specific contemporary social problems; (3) to prepare him for the graduate study of sociology or for professional training in social work.

MAJOR — Twenty-four credit hours are required for a major in sociology.

MINOR — Twelve credit hours are required for a minor in sociology.

COURSES IN SOCIOLOGY

1. **ORIENTATION.** Each sem. Cr. 0. In this one-hour course the student studies the organization of the University and makes analyses of his own personality, habits, interests, aptitudes, and abilities. The course is coordinated with the work of the personnel counselors. Required of all freshmen. Jox
51. **INTRODUCTORY SOCIOLOGY.** Sem. 1. Cr. 3. The development of social relations and institutions. How human society came to be what it is. (Not open to freshmen.) KRUGER
52. **INTRODUCTORY SOCIOLOGY.** Sem. 2. Cr. 3. Social institutions; processes of interaction; phases of social control. Prerequisite: Sociology 51. KRUGER
101. **THE FAMILY.** Sem. 1. Cr. 3. The role of social and psychological factors in the establishment, continuation, and disruption of the American family. Prerequisite: Sociology 51 and 52. KRUGER
106. **SOCIAL PSYCHOLOGY** (formerly 102). Sem. 2. Cr. 3. The influence of social interaction in the building of personality. Prerequisite: Sociology 51 and 52. KRUGER
108. **CHILD WELFARE.** Sem. 2. Cr. 3. Problems of child welfare in present-day American society: Family relations, physical and mental health, education, recreation, delinquency, child labor. Agencies and measures for the treatment of mal-adjusted children. Prerequisite: Sociology 51 and 52. OLDSEN
131. **CRIMINOLOGY.** Sem. 2. Cr. 3. Facts and problems pertaining to crime and its punishment. Prerequisite: Sociology 51 and 52. KRUGER
132. **SOCIAL PROBLEMS.** Sem. 1. Cr. 3. Personal, economic, and domestic mal-adjustments considered as to cause, process, result, and treatment. Prerequisite: Sociology 51 and 52. KRUGER
133. **URBAN SOCIOLOGY.** Sem. 1. Cr. 3. The rise of cities and metropolitan regions. Present-day urban communities: social structure, problems, control, and planning. Prerequisite: Sociology 51 and 52. KRUGER

157. SOCIAL ANTHROPOLOGY. Sem. 1. Cr. 3. The course consists of a study of the characteristics of primitive society and of the major theories of social evolution. Special attention will be given to a study of representative or type cultures. Prerequisite: Sociology 51 and 52. KRUGER

SOCIAL WORK

The Department of Sociology and Social Work offers a special curriculum, the completion of which leads to the degree of Bachelor of Arts with a major in social work. This preprofessional curriculum, which is approved by the National Association of Schools of Social Administration, consists of a sequence of carefully selected courses from this department and other departments of the College of Arts and Sciences. The curriculum is designed to meet the needs of three groups of students:

1. Those who wish to qualify for positions in social work which are open to college graduates who have had a good liberal education including undergraduate courses in social work but have not had graduate (professional) training in social work.
2. Those who wish to obtain a good foundation for graduate (professional) training in social work.
3. Those who are not preparing themselves for a career in social work but wish to obtain a good liberal education with sufficient emphasis upon social work to prepare them for civic leadership in social welfare.

MAJOR — Candidates for the degree of Bachelor of Arts with a major in social work must complete the curriculum given below. The courses in sociology and social work included in the curriculum constitute a major in social work. Students majoring in social work must complete a minor in one of the following fields: economics, government, psychology, history.

MINOR — No minor is offered in social work.

CURRICULUM LEADING TO DEGREE OF BACHELOR OF ARTS WITH A MAJOR IN SOCIAL WORK

First and Second Years

		Cr.
Engl. 1 and 2	Freshman Composition	6
Engl. 51 and 52	Survey of English Literature	6
	Foreign Language	12
Economics 51 and 52	Principles of Economics	6
Sociol. 51 and 52	Introductory Sociology	6
Biol. 51 and 52	General Biology	8
	Natural Science other than Biology	8
	Religion	4
Phys. Ed. 1 and 2	Freshman Physical Education and Hygiene	2
Phys. Ed. 51 and 52	Sophomore Physical Education	2
Sociology 1	Orientation	0

<i>Third and Fourth Years</i>		Cr.
Hist. 61 and 62	History of the United States	6
Govt. 51	The Federal Government of the United States	3
Psych. 51	General Psychology	3
Philos. 105	Ethics	3
	Religion	4
Educ. 121	Statistical Methods and Measurements	3
Sociol. 106	Social Psychology	3
Sociol. 108	Child Welfare	3
Sociol. 131	Criminology	3
Sociol. 132	Social Problems	3
Soc. Work 107	Fields of Social Work	3
Soc. Work 108	Survey of Public Welfare	3
Soc. Work 153	Social Services to Individuals	3
Soc. Work 154	Social Services to Individuals	2
Soc. Work 158	Introduction to Group Work	3
	Additional courses in minor and electives	20
Total		128

COURSES IN SOCIAL WORK

107. **FIELDS OF SOCIAL WORK.** (Formerly Sociology 152.) Sem. 1. Cr. 3. A survey of the various processes and agencies in the field of social work. Field trips to representative social agencies of the Chicago Area are an essential part of this course. Prerequisite: Sociology 51 and 52 and junior standing.

STEININGER

108. **SURVEY OF PUBLIC WELFARE.** Sem. 2. Cr. 3. This course will include (1) a survey of the history of public welfare services in the United States with special attention to the influence of federal social security legislation and (2) a descriptive analysis of various tax-supported social welfare programs and agencies. Prerequisite: Social Work 107 and junior standing.

STEININGER

153. **SOCIAL SERVICES TO INDIVIDUALS.** Sem. 1. Cr. 3. An introductory course in the generic principles of social case work and the techniques of interviewing. Open only to students majoring in social work. Prerequisite: Social Work 107 and senior standing.

TANGERMAN

154. **SOCIAL SERVICES TO INDIVIDUALS.** Sem. 2. Cr. 2. A continuation of Social Work 153. The purpose of the course is to give the student opportunity for some field observation and some limited experience in social work. The student will spend approximately 60 clock hours in the Public Welfare Department of Lake County (Gary, Indiana). There, under the supervision of the instructor, he will observe the work of the various divisions of the Department and will participate in some phases of the work of the Department as a "volunteer". Open only to students majoring in social work. Prerequisite: Social Work 153.

TANGERMAN

158. **INTRODUCTION TO GROUP WORK.** Sem. 2. Cr. 3. An introductory course in the principles and processes of group work. Prerequisite: Social Work 107 and senior standing.

FREEMAN

THE SCHOOL OF LAW

CENTRAL INFORMATION

History — The School of Law of Yale was chartered and organized by the President Mark A. De Haven in 1827. Since that time hundreds of its graduates have become distinguished lawyers, judges, and statesmen.

Aims — Modern American law has undergone at the present time and legislative and constitutional changes. This law, the fruit of hundreds of years of development in England and its American colonies, protect law rights, powers, privileges, and immunities of individuals, and suppress private and public wrongs. Rights, justice, and equity are its objectives.

The School of Law seeks to acquaint its students with the principles and rules that

THE SCHOOL OF LAW

have been evolved in the history and development of the law of the United States and in the modern world. The student is not only to give information but is to study to acquire practical ability. The study is the methods of legal reasoning and analysis is considered as a goal in itself, but this is supplemented by such practical exercises as reading and writing. The student is acquainted with the words and the theory of the profession. He is trained in writing legal papers. Cases are studied in pleading and trial practice. A practical work is emphasized in which the student must take all the steps required in the preparation of a case. Professional conduct of the students is supervised during lectures by practicing lawyers and by judges. Legislative enactments and social influences are not neglected. A close and positive balance between theory and practice is thus attained.

Admission Bar Association — The School is fully approved by the American Bar Association. Through its Faculty Law and Economics and Admission to the Bar.

Association of American Law Schools — The School is a member of the Association of American Law Schools, an organization of thirty-one law schools in the United States.

New York Board of Regents — Its Degree of Bachelor of Laws is approved by the Board of Regents of the University of the State of New York.

North Central Association of Colleges and Universities — The University of which the School of Law is a part, holds membership in the North Central Association of Colleges and Universities. The association, consisting of the colleges and universities of the Middle West.

Practice Court — The School maintains a court in which the student, under an instructor who has had experience in the practice of law,

Third and Fourth Years

Hist. 51 and 52	History of the United States
Govt. 51	The Federal Government of the United States
Psych. 51	General Psychology
Philos. 135	Logic
	Metaphysics
Educ. 131	Statistical Methods and Measurements
Sci. 135	Research Psychology
Soc. 135	Classical Sociology
Social. 131	Classical Sociology
Social. 135	Social Problems
Soc. Work 131	Principles of Social Work
Soc. Work 135	Service in Public Welfare
Soc. Work 131	Social Service to Individuals
Soc. Work 135	Social Service to Groups
Soc. Work 131	Introduction to Group Work
Soc. Work 135	Additional courses in minor and elective fields

Total

126

THE SCHOOL OF LAW

107. *Principles of Social Work*. (Formerly Sociology 131.) Sem. 1. Cr. 3. A survey of the history of public welfare services in the United States with special attention to the influence of federal social security legislation and (2) a descriptive analysis of various tax-exempt social welfare programs and agencies. Prerequisite: Social Work 105 and Junior standing.

Prerequisite

108. *Survey of Public Welfare*. Sem. 2. Cr. 3. This course will include (1) a survey of the history of public welfare services in the United States with special attention to the influence of federal social security legislation and (2) a descriptive analysis of various tax-exempt social welfare programs and agencies. Prerequisite: Social Work 105 and Junior standing.

Prerequisite

109. *Social Service to Individuals*. Sem. 1. Cr. 3. An introductory course in the specific principles of social work and the techniques of interviewing. Open only to students majoring in social work. Prerequisite: Social Work 105 and Junior standing.

Prerequisite

110. *Social Service to Groups*. Sem. 2. Cr. 3. A continuation of Social Work 109. The purpose of the course is to give the student opportunity for more field observation and some limited experience in social work. The student will spend approximately 40 clock hours in the Public Welfare Department of Lake County (Clark, Indiana). There, under the supervision of the instructor, he will observe the work of the various divisions of the Department and will participate in other phases of the work of the Department as a "volunteer". Open only to students majoring in social work. Prerequisite: Social Work 109.

Prerequisite

111. *Introduction to Group Work*. Sem. 3. Cr. 3. An introductory course in the principles and processes of group work. Prerequisite: Social Work 107 and Junior standing.

Prerequisite

THE SCHOOL OF LAW

GENERAL INFORMATION

HISTORY — The School of Law of Valparaiso University was organized by the Honorable Mark L. De Motte in 1879. Since that time, hundreds of its graduates have become successful lawyers, judges, and statesmen.

AIMS — Modern American law is a composite of the common law and legislative and constitutional enactments. This law, the fruit of hundreds of years of development in England and in America, seeks to protect the rights, powers, privileges, and immunities of individuals, and suppress personal and public wrongs. Right, justice, and liberty under law are its objectives.

The School of Law seeks to acquaint its students with the principles and rules that have thus been established, without overlooking outstanding local peculiarities of the law as it exists in the various states of the United States and in the federal jurisdiction. The aim is not solely to give information nor is it solely to supply mental training. Discipline in the methods of legal reasoning and analysis is considered of great importance; but this is supplemented by much practical information and training. The student is acquainted with the ideals and traditions of the profession. He is trained in drawing legal papers. Courses are offered in pleading and trial practice. A practice court is maintained, in which the student must take all the steps required in the preparation and trial of a case. Professional interest of the students is stimulated through lectures by practicing lawyers and by judges. Legislative enactments and social influences are not neglected. A sane and practical balance between theory and practice is thus attained.

AMERICAN BAR ASSOCIATION — The School is fully approved by the American Bar Association through its Council on Legal Education and Admission to the Bar.

ASSOCIATION OF AMERICAN LAW SCHOOLS — The School is a member of the Association of American Law Schools, an organization of ninety-one law schools in the United States.

NEW YORK BOARD OF REGENTS — The Degree of Bachelor of Laws is approved by the Board of Regents of the University of the State of New York.

NORTH CENTRAL ASSOCIATION OF COLLEGES AND SECONDARY SCHOOLS — The University, of which the School of Law is a part, holds membership in the North Central Association of Colleges and Secondary Schools, the accrediting association of the colleges and universities of the Middle West.

PRACTICE COURT — The School maintains a course in practice court, under an instructor who has had experience in the practice of law.

THE LAW LIBRARY — The law library, which consists of about 15,000 volumes, meets the requirements of all accrediting associations.

The library contains the official reports of the Supreme Court of the United States and those of 37 states up to the reporter system, the National Reporter System complete, all sets of general annotated decisions, full English Reprint of English reports and digests, and statutes, Canadian reports and the Canadian Abridgement, the Federal Code Annotated, the United States Code Annotated, and earlier compilations of federal statutes, the United States Statutes at Large, the latest revised statutes of thirty-nine of the states and those of Hawaii, Mexico and of the District of Columbia, the American Digest System, state and special digests, citators, legal periodicals in complete bound sets, the standard law encyclopedias, and a collection of state trials, legal histories, and treatises on law and jurisprudence.

UNIVERSITY LAWYERS' ASSOCIATION — The University Lawyers' Association enables the law student to make a more intimate contact with the practical side of the legal profession. This purpose is accomplished by means of a series of lectures given by prominent lawyers and judges who are able to give the student an idea of what he can expect and what will be expected of him when he himself enters the practice of law. This organization has encouraged the law student to become a member of the Junior Bar Association of his state if one is established therein. This gives the student the opportunity and the privilege of making personal contact with the practicing lawyers. All law students are full members of the Lawyers' Association.

CURRICULA — DEGREES — The University offers in the School of Law a three-year (six-semester) curriculum, based on an entrance requirement of two years (four semesters) of college work, leading to the degree of Bachelor of Laws (LL.B.). The University also offers a six-year (twelve-semester) curriculum comprising three years of college work and three years of work in law, leading to the degree of Bachelor of Arts (B.A.) at the end of four academic years, and that of Bachelor of Laws (LL.B.) at the end of six academic years.

In exceptional cases, where a student enters with a degree from a standard college, upon the completion of the work required for the LL. B. degree and an additional year of work in law, the degree of Doctor of Jurisprudence (J.D.) may be granted.

PRACTICE AND PROCEDURE — The need for training in practice and procedure has been met by courses designed to give skill in the application of law in practice, notably Use of Books, Procedure, Criminal Law, Trial Practice, Evidence, and Practice Court.

ADMISSION — Applicants for admission to candidacy for the degree of Bachelor of Laws must satisfy the requirements for admission to a college of this University and must have completed at least one-half of the work acceptable for a bachelor's degree requiring four years of study. At present this amounts to 60 semester credits. A general average of C, or a standing of one (1), must also be attained in pre-legal work.

Credit earned by correspondence or extension study is not accepted. Semester credits earned in non-theory courses in military science, hygiene, domestic arts, physical education, vocal or instrumental music, or in other courses without intellectual content of substantial value may not exceed ten percent of the semester credits offered for admission. The above satisfies the requirements fixed by the Association of American Law Schools.

The entrance requirements of the University call for graduation from a four-year approved secondary school.

APPLICATION FOR ADMISSION — Applications for admission to the School of Law should be addressed to The Registrar, Valparaiso University, Valparaiso, Indiana.

ADVANCED STANDING — A student transferring from another law school may receive credit not exceeding two years, provided: (1) that the law school is a member of the Association of American Law Schools or is on the approved list of the American Bar Association; (2) that the student transferring meets the scholastic average required by that law school; (3) that his scholastic standing meets the requirements of Valparaiso University for advanced standing; (4) that the work which he has completed is similar in character to that which is given at Valparaiso University; and (5) that he has met the entrance requirements of the School of Law.

The right is reserved to withhold such credit, wholly or in part. Credit which has been granted may be withdrawn because of poor work at this University.

REQUIREMENTS FOR GRADUATION — The requirements of the first year are constant. Except by approval of the Committee on Admissions and Degrees, first-year law students are not permitted to take courses in other colleges of the University. Second and third-year students must have their programs of study approved by the Dean at the beginning of each semester. They must take, in addition to the required work of the first year, enough work in law to make a total of not less than 78 hours and 78 quality points. Upon approval by the Committee on Admissions and Degrees, a second or third year student may elect, from courses offered in the College of Arts and Sciences, not more than 4 hours of extra work each semester. Attendance at special law lectures is required of all students.

LIBERAL ARTS-LAW CURRICULUM — Students who have completed three years (94 semester hours) of work in the College of Arts and Sciences, have received 94 quality points, and have met the other requirements set by the College of Arts and Sciences, will receive the degree of B.A. upon completing the first year in the School of Law (30 semester hours and 30 quality points), and the degree of LL.B. upon completing two additional years in the School of Law. By electing the combined course, students may obtain the two degrees in six years (twelve semesters). Students who elect the combined curriculum must fulfill the requirements of the College of Arts and Sciences as to the

combined program. These requirements are given on page 57 of the general University catalogue.

COURSES IN LAW

*Professor Morland (Head), Professor Berry, Professor Moll,
Associate Professor Jox, Mr. Savage, Mr. Bartelt*

COURSES FOR FIRST YEAR

103. **CONTRACTS.** Sem. 1. Cr. 5. The formation of simple contracts, consideration, third party beneficiaries, assignments; joint and several contracts; the statute of frauds; the performance and breach of contracts, damages in contract actions; conditions, express and implied; illegal contracts; impossibility; discharge. Williston: *Cases on Contracts* (fourth edition). MOLL

106. **CRIMINAL LAW.** Sem. 1. Cr. 3. General considerations; solicitation and attempt; assault, battery, and mayhem; false imprisonment; homicide; rape; larceny; embezzlement and false pretenses; receiving stolen property; burglary; arson; infancy; combinations of persons; criminal procedure. Harno: *Cases on Criminal Law and Procedure* (second edition). BARTELT

108. **EQUITY I.** Sem. 2. Cr. 4. Nature and scope of equity; equitable remedies; bills of peace, interpleader, quia timet, and to remove cloud on title; specific performance of contracts; reformation and rescission for mistake, misrepresentation, or non-disclosure; mistake of fact in connection with known contractual obligations; mistake of law; mistake as to ownership of property in the subject-matter of contract; benefits conferred under agreements which have been wholly or partially performed and under agreements where future performance is impossible; benefits conferred under compulsion and undue influence; benefits obtained by the wrongful use of another's property. Cook: *Cases on Equity* (fourth edition). MOLL

110. **PROCEDURE I.** Sem. 2. Cr. 3. The English and American Court system; origin and development of common law actions, including their modification by modern codes and statutes; the rules of pleading under common law and codes, with attention to their success in achieving their purposes; rules as to parties; a brief survey of the pertinent section of the Federal rules. Magill and Chadbourne: *Cases on Civil Procedure* (third edition). JOX

111. **PROPERTY I.** Sem. 1. Cr. 5. Personal property; possessory interests in chattels, finding, bailment, lien, acquisition of ownership; emblements; fixtures. Real property, general introduction, types of estates in land, equitable estates, Statute of Uses and its effects, waste, covenants running with the land. Aigler, Bigelow and Powell: *Cases on Property* (Volume I). BERRY

112. **PROPERTY II.** Sem. 2. Cr. 3. Real property; easements and profits, licenses, water; adverse possession and prescription; conveyancing, execution of deeds, subject matter, estates created; creation of easements by implication, covenants for title, estoppel by deed, priorities. Aigler, Bigelow and Powell: *Cases on Property* (Volume II). BERRY

114. **PERSONS.** Sem. 1. Cr. 2. The promise to marry and the breach thereof; husband and wife; parent and child; liability of minors in contract and tort. Madden and Compton: *Cases on Domestic Relations*. MORLAND

115. **TORTS.** Sem. 2. Cr. 5. Specific torts, namely, assault, battery, false imprisonment, trespass to land and to goods; deceit, defamation, malicious prosecution; liability for negligent conduct; legal causation; absolute liability of landowners to third parties. Bohlen: *Cases on Torts* (fourth edition). MORLAND

COURSES FOR SECOND AND THIRD YEARS

149. AGENCY AND PARTNERSHIP. Sem. 1. Cr. 3. A study of the establishment of the representative relation, and the conduct of business by representatives. Particular aspects of the representative relation between the parties thereto under statutes and in the absence of statutes; the application of assets to creditors' claims. Mathews: *Cases and Materials on the Law of Agency and Partnership*. SAVAGE

150. ADMINISTRATIVE LAW. Sem. 1. Cr. 2. Development of administrative law; administrative discretion; delegation of legislative power and administrative rule-making; administrative adjudication; administrative finality; extraordinary remedies in administrative cases; collateral attack upon acts against administrative officers; administrative authority in specific illustrative cases. Stason: *Cases and other materials on Administrative Tribunals* (second edition). MORLAND

151. PROCEDURE II. Sem. 1. Cr. 2. Continuation of Procedure I. JOX

152. PRIVATE CORPORATIONS I. Sem. 2. Cr. 3. Materials relating to the creation of the modern private corporation, and problems of the going concern. Ballantine and Lattin: *Cases and Materials on the Law of Corporations*. SAVAGE

154. DAMAGES. Cr. 2. A discussion of the problems involved in pleading and proving the facts which determine the amount of an award; the general principles governing the valuation of a claim in terms of money, with a special consideration of the problem of measurement in Tort, Contract and Eminent Domain Cases. Crane: *Cases on Damages*. (Given in the Summer Session, 1947.) MOLL

158. BILLS AND NOTES. Sem. 2. Cr. 3. History and development of the law of negotiable instruments from the law merchant, through the common law and into its present codified state in the Uniform Negotiable Instruments Law; the formal requisites of bills, notes, and checks; the necessary steps to perfect the holder's right; and the discharge of negotiable instruments. Britton: *Cases on Bills and Notes* (third edition). SAVAGE

164. CREDITORS' RIGHTS. Sem. 2. Cr. 3. The legal and equitable remedies of the unsecured creditor against his insolvent debtor, including enforcement of judgments by legal and equitable process, fraudulent conveyances, general assignments, creditors' agreements, receiverships, and bankruptcy. Hanna and McLaughlin: *Cases on Creditors' Rights* (third edition). BERRY

167. EVIDENCE. Sem. 1. Cr. 3. Rules for the exclusion of evidence, functions of the court and jury; burden of proof; circumstantial evidence; hearsay; the examination of witnesses; the "parole evidence" rule. Morgan and Maguire: *Cases on Evidence* (second edition). JOX

169. INSURANCE. Sem. 1. Cr. 3. Considering the topics of insurable interest, concealment, representation, warranty, cause of invalidity, increase of hazard, conditions prohibiting alienation, the peril insured against, the amount of recovery, subrogation, conditions applicable after loss, waiver and estoppel, assignment of policies and rights of beneficiaries. Patterson: *Cases on Insurance* (second edition). SAVAGE

170. WILLS. Sem. 2. Cr. 2. Testamentary capacity; kinds of wills; execution; revocation; probate of wills; testate and intestate succession to real and personal property; executors and administrators; administration of decedents' estates; distribution; final report and discharge. Leach: *Cases and Text on Wills* (second edition). SAVAGE

172. MUNICIPAL CORPORATIONS. Sem. 2. Cr. 2. Incorporation and incidents of existence; types of organizations; legislative control; corporate agencies, express and implied powers; revenue and indebtedness; acquisition and control of property; liability in contract and tort; remedies; home rule. Seasongood: *Cases on Municipal Corporations* (second edition). MORLAND

173. LABOR LAW. Summer Term. Cr. 2. Development of labor law, strikes, boycotts, picketing, trade agreements, conspiracy, the labor injunction, and a survey of labor legislation, beginning with the Sherman Anti-Trust Act. Rausenbush and Stein: *Labor Cases and Materials*. Individual copy of Taft-Hartley Act.

BOWSER

176. LEGISLATION. Sem. 2. Cr. 2. *The Legislative Process*: (1) The formulation of legislative policy, (2) Legislative organization and procedure, (3) Influencing legislative action. *The Culmination of the Legislative Process in Statutes*: (1) Types of Statutes—general and special legislation, private acts, retro-active laws; curative, *ex post facto* laws, remedial laws, penal laws, codification, resolutions; (2) Interpretation of Statutes; (3) Structure of Statutes. Horack: *Cases and Materials on Legislation*.

MORLAND

177. RESTITUTION. Sem. 1. Cr. 2. Remedies for restitution of benefits obtained or conferred by performance of contract, misrepresentation, mistake and coercion. Thurston: *Cases on Restitution*.

MOLL

196. SALES. Sem. 2. Cr. 3. Embracing the subject matter of sale, contract of sale, parties to the contract, the price, executory and executed sales and the various rules of law governing each, sale of specific property, sale of non-existent and unidentifiable property, retention of *jus disponenti*, stoppage in transitu, warranty and application to executory and executed sales, frauds, avoidance of the contract and Statute of Frauds. Bogert and Britton: *Cases on Sales*

SAVAGE

198. SECURITY. Sem. 1. Cr. 3. Personal property, real property and third persons as security, including pledges, letters of credit, and trust receipts, with special study of suretyship and mortgages. Hanna: *Cases on Security* (third edition).

SAVAGE

200. TAXATION. Sem. 1. Cr. 2. Federal income taxes for individuals, partnerships, estates and trusts, and corporations. Social security taxes, federal estate taxes, and federal gift taxes. Survey of state tax structures. Altman: *Federal Tax Course*.

SAVAGE

203. CONFLICT OF LAWS. Sem. 1. Cr. 3. A study of the territorial jurisdiction of courts; the enforcement of foreign judgments; and the problems arising when the operative facts of a case are connected with jurisdictions having different rules of law; the control exercised by the federal government. Lorenzen: *Cases on Conflict of Laws* (fifth edition).

MORLAND

205. RELATIONS. Sem. 1. Cr. 3. The protection, legal and equitable, given interests in relations with others; family relations, social relations, professional relations, political relations, trade relations, labor relations, abuses of governmental processes. Green: *Cases on Injuries to Relations*.

MORLAND

208. LEGAL ETHICS. Sem. 1. Cr. 1. The nature of the profession; pecuniary limitations, advertising, solicitation, fees, lawyer's oath; ethical duties of lawyers to society, to courts, to clients, to litigants; ethics of employment; Canons of Ethics of the American Bar Association. Cheatham: *Cases and Materials on the Legal Profession*.

MORLAND

211. CONSTITUTIONAL LAW. Sem. 2. Cr. 4. Relations between the Federal government and the state; scope of legislative, judicial, and executive powers; interstate commerce, money; federal taxation; territories and dependencies; constitutional limitations in favor of life, liberty, and property; due process of law and equal protection of the laws; powers of states. Casebook to be selected.

MORLAND

212. USE OF BOOKS. Sem. 2. Cr. 1. Use of law books with particular attention to Statute Books, Law Reports, English Law Reports, Law Reports in the United States, Reports of Administrative Agencies, Treatises, Legal Periodicals, Legal Dictionaries, Legal Encyclopedias, Legal Digests, and Training in legal research. Notz: *Legal Bibliography and Research*.

SAVAGE

213. PRACTICE COURT. Sem. 2. Cr. 2. Drafting of pleadings and briefs, and technique of practice. Actual trials are conducted as in practice. Jox

215. PROPERTY III. FUTURE INTERESTS. Sem. 1. Cr. 3. Future interests in real and personal property; their creation, validity, and effect. Vested and contingent remainders; executory interests; Rule in Shelley's Case; powers; rule against perpetuities; illegal conditions and restraints. Leach: *Cases on Future Interests* (second edition). BERRY

221. TRIAL PRACTICE. Sem. 1. Cr. 3. Jurisdiction of the subject-matter; process including a study of jurisdiction in personam and jurisdiction in rem; default judgments; conducts of the trial from the selection of the jury to entry of the final judgment in jury trials, including the drafting of jury instructions; trial by court without a jury. Magill and Chadbourne: *Cases on Civil Procedure* (third edition). Jox

224. TRUSTS. Sem. 2. Cr. 3. The origin and nature of trusts; resulting and constructive trusts; charitable trusts; duties of trustees; remedies of cestui qui trust. Scott: *Cases on Trusts* (third edition). MOLL

238. COMPARATIVE LAW. Sem. 2. Cr. 3. A comparative study of the Principles of Roman Law, Civil Law, and Common Law. Mimeographed materials and selected readings. MOLL

290. LABOR LEGISLATION. Sem. 2. Cr. 4. A survey of labor legislation and the courts: Sherman Act, Clayton Act, Norris-LaGuardia Act, and the National Labor Relations Act; Current labor legislation. Law Library materials and other assigned work; Dickerman and Taylor: *Who's Who in Labor*. Independent study under the supervision of the faculty of the School of Law. (Given Sem. 2, 1946-1947.)

299. LABOR LAW RESEARCH. Cr. 6. Summer, 1948. Research in the field of labor legislation together with the common law background, including labor's social laws: The Social Security Law, Workmen's Compensation, Employer's Liability Acts, and the Fair Labor Standards Act; legislation, including the injunction and labor relations: The Norris-LaGuardia Act, The National Labor Relations Act (Wagner Act) and Labor-Management Act (Taft-Hartley Act); miscellaneous laws pertaining to labor. Materials: Labor Course, Prentiss-Hall Labor Law Course, Commerce Clearing House and other materials. A thesis is required. MORLAND

READING COURSES

Students of high standing who desire to take a course not listed above may do so with the consent of the faculty and the assistance of an instructor.

DEGREES CONFERRED

1947 - 1948

HONORARY

DOCTOR OF EDUCATION

June 20, 1948

August C. Stellhorn

DOCTOR OF LAWS

June 20, 1948

Traugott Otto Francis Herzer

DOCTOR OF MUSIC

June 20, 1948

Hans Rosenwald

THE COLLEGE OF ARTS AND SCIENCES

BACHELOR OF ARTS

August 15, 1947

Edward Erwin Busse

Eugene Theodore Gade

Alwin August Koenig

Elsa Haller Schneider

Herbert Paul Vogel

February 6, 1948

William Norman Bauer

Irvin Frederick Hackbert

Alberta Jean Halsted

Robert Jack Hanson

Howard John Heiden

Henry H. Higer

Wilma Claire Iffarth

Philene Dorothy Johnson

Norbert Edward Koschmann

Robert Carl Kraemer

Charles Bernard Lantry, Jr.

Arden Biewend Moldstad

Robert Albert Muckler, Jr.

Dorothea Opal Saunders

Doris M. Schneider

Elaine Mae Schmidt

Paul Gerhard Stelter

Robert Virgil Stipp

Paul Edward Stuckert

Edward A. Susnis

Elizabeth Jane Wilde

June 20, 1948

John Frederick Ansett
 Edwin James Ansonge
 Hubert C. Arthur
 Lena Mae Ethel Ashpaugh
 Edith Roberta Benedict
 Amy Henrietta Bischoff
 Anna Boda
 John Bolgert
 Ruth May Bonham
 Oscar Raymond Boock
 Eileen June Borjesson
 Hildegard Sophia Bosse
 Wallace Emil Brede
 Arthur Donald Broederdorf
 Leona Katherine Burrus
 John Anastas Christoff
 Naomi Ruth Clausing
 James Clinton Cross
 Charles Kurt Daetz
 Ursula Esta Dahms
 Edna Davis Defenderfer
 Carol Ann Droege
 Richard Paul Duclos
 Doris Elaine Ebert
 Miriam Lenore Eickhoff
 Melvin Walter Ellinger
 Ruth Caroline Engel
 Edwin William Engerer, Jr.
 James Edward Fasules
 Constance Rae Feitig
 Byron Lee Ferguson
 Ruth Schottman Ferguson
 Anne Ruth Franklin
 Roger Frederick Fricke
 Ivalene Adelia Gall
 Glen Arthur Gierke
 Robert Ernest Going
 Lois Helen Grote
 Elaine Thompson Guba
 Eunice Dorothy Hamm
 Walther Thomas Hanser
 Ruth Dolores Hartman
 Patricia Elizabeth Hauter
 Melvin Edwin Hecht
 Charles Dermont Hepner
 Martin Ernest Hillger
 Warren Ray Hoover
 Lois Audrey Jordan
 Viola Esther Kage
 Peter Keck
 Raymond George Kers
 Ruth Maybelle Kettring
 Donald Edward Koehn
 Arnold Herman Koschmann
 Lois Ann Koester
 Louise Helen Krause
 Ellen Kathryn Krentz
 Michael Roy Kruck, Jr.
 Joseph William Lewis
 Elaine Edna Liening

Charles Harold Lindberg
 Gertrude Eileen Lovekamp
 Ruth Helen Luekens
 Ruth Margaret Martens
 Gladys L. Masuch
 Paul Eugene Meadows
 Betty Emily Meinzen
 Ruth Beata Messerschmidt
 Alfred William Meyer
 James Frederick Meyer
 Quentin Albert Nagel
 Milda Renata Naumann
 Harriet Lucille Nitschke
 Lucille Eleanore Novak
 Margaret Ann Ohrmund
 Forrest Charles Palmer
 Marjorie Wisner Pels
 Dorothy Anna Plinke
 Andrew J. Plym, Jr.
 Esther Ruth Poggemeier
 Audrey Lucille Prange
 Gertrude Elizabeth Preusch
 Harold George Raybould, Jr.
 Alfred John Remus
 Paul Richard Riedel
 Marian Jeannette Rinne
 Dolores Louise Ritter
 Anna-Ruth Roegge
 Erhardt William Roeske
 Darwin Christian Romberg
 Ruth Nannette Ross
 Lucille Martha Rucklos
 Ruth Marie Sauer
 James Schultz Savage
 Cecelia Justine Schimmel
 Gordon Frederick Schumacher
 Frank Anthony Schwarz
 Russell Alvin Sieving
 Dagmar Marie Skov
 Yvonne Carolyn Smith
 Edith Marguerite Sonderegger
 Elmer Carl Sprehe
 Mary Winogene Steele
 Evelyn Mae Stegman
 Lloyd August Stoerck
 Barbara Thien
 Herbert Werner Treichel
 Harold Gilbert Voelz
 Dorothy Mae Wagner
 William John Wegener
 Robert Weil
 Allan Gordon Wheeler
 Alberta Eleanor Wienhorst
 Lowell M. Wiese
 Marilyn June Wilharm
 Marilyn E. Wilhelms
 Carol Wiltenburg
 Mildred Haldenby Wright
 Betty Rose Wulf
 Marian Louise Zierk

BACHELOR OF SCIENCE IN HOME ECONOMICS

June 20, 1948

Mary Nell Euper
Audrey Ruth Kasischke

Miriam Betty Marten
Velma Catherine Meier

BACHELOR OF SCIENCE IN PHYSICAL EDUCATION

February 6, 1948

William L. Bertig

James E. Jacobs

June 20, 1948

Eileen E. Borchelt
Lois Lorraine Covert
Robert Orville Dille

Elizabeth Ann Droege
Newton Sarkis Kingson, Jr.
Alfred Raymond Roth

James Alec Sento

THE SCHOOL OF LAW

BACHELOR OF LAWS

June 20, 1948

John George Diamond
William John Nowak

Howard William Reitz
Ronald Hayes Ross

George S. Takaoka

STATISTICS

SUMMARY OF ATTENDANCE

September, 1947 to June, 1948

(As of June 18, 1948)

THE COLLEGE OF ARTS AND SCIENCES

	Men		Women		Total		Total
	Vet.	Non-Vet.	Vet.	Non-Vet.	Vet.	Non-Vet.	
Senior	67	23	1	83	68	106	174
Junior	195	28	6	111	201	139	340
Sophomore	361	104	17	173	378	277	655
Freshman	268	235	4	250	272	485	757
Special	1	2	—	2	1	4	5
Unclassified	20	7	1	23	21	30	51
Total	912	399	29	642	941	1041	1982

THE SCHOOL OF LAW

	Men		Women		Total		Total
	Vet.	Non-Vet.	Vet.	Non-Vet.	Vet.	Non-Vet.	
Third Year	3	2	—	—	3	2	5
Second Year	19	3	—	—	19	3	22
First Year	55	2	—	2	55	4	59
Special	1	—	—	—	1	—	1
Unclassified	—	—	—	—	—	—	—
Total	78	7	—	2	78	9	87

RECAPITULATION

September, 1947 to June, 1948

	Men		Women		Total		Total
	Vet.	Non-Vet.	Vet.	Non-Vet.	Vet.	Non-Vet.	
The College of Arts & Sciences	912	399	29	642	941	1041	1982
The School of Law	78	7	—	2	78	9	87
Total	990	406	29	644	1019	1050	2069

SUMMARY OF ATTENDANCE

SUMMER SESSION 1947

THE COLLEGE OF ARTS AND SCIENCES

	Men		Women		Total		Total
	Vet.	Non-Vet.	Vet.	Non-Vet.	Vet.	Non-Vet.	
Senior	37	11	1	25	38	36	74
Junior	90	11	4	14	94	25	119
Sophomore	87	8	7	7	94	15	109
Freshman	24	6	—	8	24	14	38
Special	—	—	—	—	—	—	—
Unclassified	13	6	1	17	14	23	37
Church Music Institute	—	4	—	2	—	6	6
Total	251	46	13	73	264	119	383

THE SCHOOL OF LAW

	Men		Women		Total		Total
	Vet.	Non-Vet.	Vet.	Non-Vet.	Vet.	Non-Vet.	
Third Year	1	—	—	—	1	—	1
Second Year	8	—	—	—	8	—	8
First Year	5	—	—	—	5	—	5
Unclassified	2	—	—	—	2	—	2
Total	16	—	—	—	16	—	16

RECAPITULATION

JUNE, 1947 to JUNE, 1948

(As of June 18, 1948)

	Men		Women		Total		Total
	Vet.	Non-Vet.	Vet.	Non-Vet.	Vet.	Non-Vet.	
The College of Arts & Sciences	912	399	29	642	941	1041	1982
The School of Law	78	7	—	2	78	9	87
Summer Session 1947 —	—	—	—	—	—	—	—
The College of Arts & Sciences	251	46	13	73	264	119	383
The School of Law	16	—	—	—	16	—	16
Total Gross Enrollment	1257	452	42	717	1299	1169	2468
Deduct Duplicates	239	33	13	46	252	79	331
Total Different Students	1018	419	29	671	1047	1090	2137

GEOGRAPHICAL DISTRIBUTION OF STUDENTS

JUNE, 1947 to JUNE, 1948

UNITED STATES

State	Number of Students	State	Number of Students
Indiana	759	Arkansas	5
Illinois	427	Colorado	5
Wisconsin	208	Louisiana	5
Michigan	153	Tennessee	5
New York	106	North Carolina	5
Ohio	81	Washington	4
Missouri	62	Florida	4
Iowa	53	Arizona	2
Pennsylvania	36	New Mexico	2
California	34	Idaho	2
Minnesota	29	North Dakota	2
Nebraska	20	West Virginia	2
New Jersey	19	Kentucky	2
Kansas	16	Montana	2
Connecticut	14	Wyoming	1
Massachusetts	11	Alabama	1
Oregon	9	Oklahoma	1
Texas	8	Rhode Island	1
Maryland	8	Alaska	1
South Dakota	8	Virgin Islands	1
Virginia	6	Total	2120

FOREIGN COUNTRIES

Country	Number of Students	Country	Number of Students
Denmark	5	China	1
Canada	3	Argentina	1
Finland	2	The Netherlands	1
Norway	2	Sweden	1
Greece	1	Total	17

RECAPITULATION

	Number of Students
United States	2120
Foreign Countries	17
Total	2137

GEOGRAPHICAL DISTRIBUTION OF STUDENTS

JUNE, 1947 to JUNE, 1948

UNITED STATES

State	Number of Students	State	Number of Students
Alabama	1	Arizona	1
Arkansas	1	California	1
Colorado	1	Connecticut	1
Delaware	1	District of Columbia	1
Florida	1	Illinois	1
Georgia	1	Indiana	1
Idaho	1	Iowa	1
Illinois	1	Kansas	1
Indiana	1	Kentucky	1
Iowa	1	Louisiana	1
Kansas	1	Maine	1
Kentucky	1	Massachusetts	1
Louisiana	1	Michigan	1
Maine	1	Minnesota	1
Massachusetts	1	Mississippi	1
Michigan	1	Montana	1
Minnesota	1	Nebraska	1
Mississippi	1	Nevada	1
Montana	1	New Hampshire	1
Nebraska	1	New Jersey	1
Nevada	1	New Mexico	1
New Hampshire	1	New York	1
New Jersey	1	North Carolina	1
New Mexico	1	North Dakota	1
New York	1	Ohio	1
North Carolina	1	Oklahoma	1
North Dakota	1	Oregon	1
Ohio	1	Rhode Island	1
Oklahoma	1	South Carolina	1
Oregon	1	South Dakota	1
Rhode Island	1	Tennessee	1
South Carolina	1	Texas	1
South Dakota	1	Vermont	1
Tennessee	1	Virginia	1
Texas	1		
Vermont	1		
Virginia	1		
		Total	37

FOREIGN COUNTRIES

Country	Number of Students	Country	Number of Students
Denmark	1	China	1
Canada	1	Argentina	1
Finland	1	The Netherlands	1
Norway	1	Sweden	1
China	1	Total	5

RECAPITULATION

	Number of Students
United States	37
Foreign Countries	5
Total	42

REGISTER OF STUDENTS

1947 - 1948

(AS OF FEBRUARY 23, 1948, INCLUDING THE
SUMMER SESSION OF 1947)

The following abbreviations are used to designate colleges: A&S, College of Arts and Sciences; L, School of Law.

Classification of Students is indicated as follows: F, Freshman; So., Sophomore; J, Junior; S, Senior; U, Unclassified; Sp., Special; 1, First Year; 2, Second Year; 3, Third Year.

Attendance is indicated as follows: S, Summer Session; F, Fall Semester; W, Winter Semester; CMI, Church Music Institute.

* indicates veterans of World War II.

*Abendroth, Carl W.	A&S So. F-W	Rhineland, Wisconsin
Abraham, William J.	A&S F F-W	Crown Point, Indiana
*Adams, Charles W.	A&S F F-W	Dixon, Illinois
*Adams, Clarence R.	A&S J F	Minot, North Dakota
*Adams, Gerald E.	A&S So. F-W	Valparaiso, Indiana
*Adel, Edwin A.	A&S J S-F-W	Racine, Wisconsin
Ahrens, Lila M.	A&S F F	Saginaw, Michigan
*Aigner, Robert J.	A&S F S-F-W	Valparaiso, Indiana
Akers, Mary Jane	A&S So. F-W	St. Louis, Missouri
Albe, Harry James	L 1 F-W	Valparaiso, Indiana
*Albers, Clarence C.	A&S J F-W	Edna, Texas
Alinsky, Joseph Wm.	A&S F S-F-W	Valparaiso, Indiana
*Allen, Bina Jack	A&S F F	La Porte, Indiana
*Allen, Floyd Clarence	A&S So. F-W	Detroit, Michigan
Aller, Mrs. Kathryn	A&S U F-W	Gary, Indiana
Alme, Gunnar	A&S U S-F-W	Bergen, Norway
*Almeda, Wm. Irwin	A&S F F-W	Merchantville, New Jersey
Altenburg, Brigitta	A&S So. F-W	Portland, Oregon
Althaus, Lois Ann	A&S F F-W	Toluca, Illinois
*Altobelli, Richard G.	A&S J S-F-W	Bronx, New York
Amling, Aline Marjorie	A&S F F	Maywood, Illinois
Amling, Arol F.	A&S So. F-W	Pana, Illinois
Amling, John W.	A&S F F-W	Maywood, Illinois
Amsler, Jacqueline L.	A&S So. F-W	East Peoria, Illinois
*Anchell, Theodore J.	A&S J S-F-W	Detroit, Michigan
*Anderson, Allen	A&S So. F-W	Valparaiso, Indiana
Anderson, Charles B.	A&S F F-W	Hebron, Indiana
*Anderson, Gordon E.	A&S So. S-F-W	Chicago, Illinois
*Anderson, John A.	A&S So. F-W	Valparaiso, Indiana
*Anderson, Lawrence	A&S J F-W	Chesterton, Indiana
*Anderson, Malcolm	A&S J S-F-W	Chesterton, Indiana
*Anderson, William A.	A&S So. F-W	Hebron, Indiana
Anderson, Willard N.	A&S U S	Los Angeles, California
*Andresen, Wayne C.	A&S J S-F-W	Welton, Iowa
*Andresen, William T.	A&S So. F-W	Valparaiso, Indiana
*Ansett, John F.	A&S S S-F-W	South Bend, Indiana
*Anson, Edwin J.	A&S S F-W	Manning, Iowa
Anton, Dorothea B.	A&S F F-W	Hialeah, Florida
*Anton, Thomas G.	L 1 W	South Bend, Indiana
Argus, George W.	A&S F F-W	Brooklyn, New York
Arkema, Audrey	A&S F W	Chicago, Illinois
Armbrrecht, Stan H.	A&S F F-W	Cherokee, Iowa

Armstrong, Patsy Hollis	A&S U F-W	Valparaiso, Ind.
*Armstrong, Roger W	A&S J S-F	South Bend, Indiana
Arnold, Betty Lucille	A&S So. F	Holmesville, Ohio
Arnold, Hugh Robert	A&S So. F-W	Fort Wayne, Indiana
*Arthur, Hubert C.	A&S S S-F-W	Chicago, Illinois
*Ashley, Kendall Morton Jr.	A&S J S-F	Gary, Indiana
Ashpaugh, Lena Mae E.	A&S S F-W	Sterling, Illinois
*Aszman, William Loyd	A&S J S-F-W	Valparaiso, Indiana
Auchenpaugh, Oliver E.	A&S F F-W	Glen Cove, New York
Auerbach, Herbert G.	A&S F F-W	E. Port Chester, Connecticut
*Aust, Curtis Roger	A&S So. S-F	Michigan City, Indiana
*Autenrieth, Richard	A&S So. S-F	Detroit, Michigan
*Babcock, Leonard V.	A&S So. F-W	Chesterton, Indiana
*Bachmann, Richard C.	A&S So. F-W	La Porte, Indiana
Baerlin, Betty Jean	A&S F F-W	Dearborn, Michigan
*Baerwald, John Edward	A&S J F	Milwaukee, Wisconsin
Baerwald, Marianne G.	A&S So. F-W	Milwaukee, Wisconsin
*Bagrukovich, Walter	A&S F F-W	Michigan City, Indiana
Bahr, Mrs. Helen L.	A&S U W	Valparaiso, Indiana
Bahr, William A.	A&S So. F-W	Sheboygan, Wisconsin
*Bailey, Phillip G.	A&S F F-W	Gary, Indiana
Bajus, Virginia E.	A&S F F-W	Chicago, Illinois
Baker, James Robert	A&S So. S-F-W	Galesburg, Illinois
Balbach, Dolores May	A&S F F-W	Swissvale, Pennsylvania
Balcom, Dorothy Louise	A&S F F	Chicago, Illinois
*Ball, Charles A. Jr.	A&S F F-W	Valparaiso, Indiana
*Ball, George A.	A&S J S-F-W	Valparaiso, Indiana
*Balle, Robert C.	A&S F S-F-W	Detroit, Michigan
Balster, Carolyn Mae	A&S F F-W	Moro, Illinois
Balster, Delphia L.	A&S So. F	Pewaukee, Wisconsin
Balzer, Frank L. Jr.	A&S F F-W	St. Louis, Missouri
*Banchy, Robert J.	A&S So. F-W	Gary, Indiana
Bangert, Marian C.	A&S F F-W	Ferguson, Missouri
*Bangert, Roy Fred	A&S So. F-W	Ferguson, Missouri
Bangert, Vivian	A&S J F-W	Ferguson, Missouri
*Banks, Verta Johnson	A&S So. F-W	Valparaiso, Indiana
*Barcus, Thomas O.	A&S J F-W	Chicago, Illinois
Bardonner, Janice	A&S F F-W	Fort Wayne, Indiana
Barichivich, Anthony C.	A&S J F-W	New Orleans, Louisiana
Barnes, Donna M.	A&S F F-W	Valparaiso, Indiana
Bartels, Lorraine E.	A&S F F	Hinckley, Illinois
*Bartelson, John Richard	A&S J F-W	Arkansas City, Kansas
*Bartelt, Gilmer F.	A&S J S-F-W	Valparaiso, Indiana
*Bartelt, Lorraine (Mrs.)	A&S So. W	Valparaiso, Indiana
*Bartholomew, Charles R.	A&S S W	Valparaiso, Indiana
Bartholomew, Irene F.	A&S U F-W	Valparaiso, Indiana
*Barton, William E.	A&S So. F-W	Gary, Indiana
Bartusch, Claudia	A&S J F-W	Shelby, Michigan
*Bartz, Melvin Claude	A&S J F-W	Valparaiso, Indiana
*Bates, Ralph W. L	I S	Valparaiso, Indiana
Bauer, Clarence H.	A&S So. F-W	Chicago, Illinois
Bauer, Joanne Elizabeth	A&S F F-W	Eden, New York
Bauer, Marjorie A.	A&S F F	Hammond, Indiana
*Bauer, Walter R.	A&S J F-W	Valparaiso, Indiana
*Bauer, William N.	A&S S S-F	Detroit, Michigan
*Baumann, Elwood	A&S J F	Green Bay, Wisconsin
Baumann, Harold E.	A&S F F-W	Elmwood Park, Illinois
Baumann, Reemt R.	A&S F W	Milwaukee, Wisconsin
Baumann, Wilfred	A&S F F-W	Reseda, California
*Baumgart, Warren W.	A&S J F-W	Park Ridge, Illinois
*Bayer, Charles R.	A&S So. S-F-W	Hobart, Indiana
Bean, Rosemary Farney	A&S U W	Kiowa, Kansas

*Bean, Theodore F.	A&S S S-F-W	Cedar Lake, Indiana
*Beasey, Wright A.	A&S So. F-W	Gary, Indiana
Becker, Calvin Carl	A&S F F-W	Kenosha, Wisconsin
Becker, Donald Max	A&S F F-W	Chicago, Illinois
Becker, Kenneth O.	A&S F F-W	Milwaukee, Wisconsin
*Beckman, Edward W.	A&S So. F-W	Niles, Michigan
Beckman, Nella Mae	A&S F F-W	Hammond, Indiana
Beckmann, Waldemar H.	A&S S S	Hammond, Indiana
Beens, Dorothy Jean	A&S F F-W	Kewanee, Illinois
*Beery, Clarence O., Jr.	A&S So. S-F-W	La Porte, Indiana
Behnke, Marilyn J.	A&S F S-F-W	Chicago, Illinois
Bein, Arlene L.	A&S J F-W	Chicago, Illinois
*Bekemeyer, Arnold E.	A&S So. F-W	Dorsey, Illinois
Belzowski, Zygmunt	A&S J F-W	La Porte, Indiana
Benedict, Edith R.	A&S S F-W	Portland, Michigan
Berg, Ruth Margaret	A&S F F-W	Ontario, Canada
Berger, Clyde L.	A&S F F-W	Milwaukee, Wisconsin
*Berger, Rodney O.	A&S So. F-W	Milwaukee, Wisconsin
Bergmann, Robert	A&S So. F-W	Berwyn, Illinois
Bergslien, Doris	A&S So. F-W	Gary, Indiana
*Bernard, Elmer E.	A&S F W	Homewood, Illinois
Berndsen, Clyde E.	A&S So. F-W	Euclid, Ohio
Berning, Althea L.	A&S So. F-W	Fort Wayne, Indiana
*Berning, Henry F.	A&S So. F-W	Fort Wayne, Indiana
*Berning, Norman F.	A&S S F-W	Knox, Indiana
*Bernthal, Albert F.	A&S J F	Danville, Illinois
Bernthal, Mrs. Lorna	A&S F F	Valparaiso, Indiana
*Bernthal, Wilmar F.	A&S J S-F-W	Valparaiso, Indiana
*Bertig, William L.	A&S S S-F-W	Valparaiso, Indiana
*Besch, Ernest H.	A&S J S-F-W	Valparaiso, Indiana
*Bethke, Maurice T.	A&S J F-W	Dundee, Illinois
Betts, Stanley L.	A&S F F-W	Milwaukee, Wisconsin
*Beutner, Harvey F.	A&S So. S-F-W	New Buffalo, Michigan
*Bibler, Joseph W. L.	I F	Valparaiso, Indiana
Bibler, Robert L.	A&S F F-W	Valparaiso, Indiana
Bierbaum, Marie A.	A&S F F	Litchfield, Illinois
*Biles, Elmer S.	A&S J F-W	Indian Head, Maryland
Billiar, Phyllis Bertha	A&S So. F-W	Buhl, Idaho
*Billings, Bryce E.	A&S So. F-W	Valparaiso, Indiana
*Birky, Kenneth K.	A&S F W	Valparaiso, Indiana
Birky, Frances	A&S So. F-W	Valparaiso, Indiana
*Birschitzky, Theodore	A&S F F	South Bend, Indiana
Bischoff, Amy	A&S S F-W	South Euclid, Ohio
Bischoff, Dorothy A.	A&S J F-W	South Euclid, Ohio
Bishop, Carmen Jo	A&S F F-W	Colorado Springs, Colorado
*Bishton, Harry E.	A&S J S	Chicago, Illinois
Bittner, Irene R.	A&S F F	Porter, Indiana
Black, Lynn G.	A&S F F-W	Valparaiso, Indiana
*Blackney, Robert	A&S So. F-W	Valparaiso, Indiana
Blau, Gloria	A&S F F-W	Chicago, Illinois
*Blickle, Fred W.	A&S F F-W	Decatour, Illinois
*Blome, Arvin Chris	A&S So. L 1 F-W	Hubbard, Iowa
Bloom, Thomas A.	A&S J F-W	Chesterton, Indiana
*Blumenkamp, Paul F.	A&S J F-W	St. Louis, Missouri
Boda, Anna	A&S S S-F-W	Lorain, Ohio
*Bodenstab, Richard G.	L 2 F-W	Chicago, Illinois
Boeck, Richard O.	A&S F F-W	Denison, Iowa
*Boeck, Robert W.	A&S J S-F-W	Milwaukee, Wisconsin
*Boehme, Harold C.	A&S S S-F-W	Valparaiso, Indiana
Boehme, Jean Haak	A&S U W	Valparaiso, Indiana
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Boerger, Marillyn	A&S U W	Three Lakes, Wisconsin
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Bohn, Iona Marie	A&S J S-F-W	Fort Wayne, Indiana
Boknecht, Robert Kay	A&S F F-W	Decatur, Illinois
Bolger, John L.	I S-F-W	Sheboygan, Wisconsin
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Boltz, William H.	A&S F F-W	Holden, Massachusetts
*Boness, Louis F. Jr.	A&S J W	Chicago, Illinois
Bonham, Ruth	A&S S F-W	Worth, Illinois
*Boock, Oscar R.	A&S S S-F-W	Waterloo, Wisconsin
*Bopp, Ferdinand L.	A&S J F-W	Kirkwood, Missouri
*Borchart, LeRoy R.	A&S F F-W	Knox, Indiana
Borchelt, Eileen E.	A&S S F-W	Fort Wayne, Indiana
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Borkowski, M. John	A&S F F-W	New Bedford, Massachusetts
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Bosse, Hildegard	A&S S S-F-W	Chicago, Illinois
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*Bowen, Robert	A&S F F-W	Milwaukee, Wisconsin
Bowman, Elaine C.	A&S So. F-W	Hamilton, Ohio
*Bowman, Robert C.	A&S F F-W	Detroit, Michigan
*Bowser, Russell L.	U S	Lock Haven, Pennsylvania
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*Bradley, Hilbert L.	L I F-W	Gary, Indiana
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Bradley, Shirley A.	A&S F W	Fort Wayne, Indiana
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Brandt, Eugenia	A&S J F-W	Seattle, Washington
Brandt, Mrs. Marian	A&S U F-W	Valparaiso, Indiana
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Brauer, Lucile L.	A&S F F-W	Evansville, Indiana
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Braun, Marilyn J.	A&S F F-W	Saginaw, Michigan
Braund, Alice M.	A&S J F-W	Detroit, Michigan
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*Brinkmann, Richard G.	A&S F F-W	La Porte, Indiana
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Brooks, Chadwick L.	A&S So. S-F-W	Chesterton, Indiana
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Bruick, Herbert P.	A&S F F-W	Fort Wayne, Indiana
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Bruss, Richard O.	A&S F F-W	Milwaukee, Wisconsin
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Butts, Jerry L.	A&S F F-W	Decatur, Illinois
Buuck, Walter E.	A&S F F-W	Fort Wayne, Indiana
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*Carlson, Donald E.	A&S F F-W	Hammond, Indiana
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*Cooper, Marjorie J. A&S J S-F-W	Valparaiso, Indiana
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Covert, Mrs. Lois Lorraine A&S S F-W	Valparaiso, Indiana
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Coyner, Joan R. A&S F F-W	Waynesboro, Virginia
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Davis, Elaine L. A&S F F-W	Muskegon, Michigan
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Dehmlow, Joanne C. A&S F F-W	Algonquin, Illinois
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Doege, Esther E.	A&S J W	Bronxville, New York
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Feitig, Constance R.	A&S S S-F-W	Richmond, Virginia
*Feld, Reuben A.	A&S J S-F-W	Sawyer, Wisconsin
*Fend, Alvin Vincent	A&S So. S	Chesterton, Indiana
*Fenska, Richard	A&S J F-W	Granger, Indiana
Fenters, Franklin	A&S F F	Chesterton, Indiana
*Ferguson, Byron Lee	A&S S F-W	Valparaiso, Indiana
Ferguson, Carol Ann	L 1 F-W	Hammond, Indiana
*Ferguson, Elmer T.	A&S So. F-W	Hobart, Indiana
*Ferguson, Jack R.	A&S F F-W	Valparaiso, Indiana
*Ferguson, Walter R., Sr.	A&S F F-W	Valparaiso, Indiana
*Ferklic, Victor M.	A&S So. S-F-W	Valparaiso, Indiana
*Ferris, Ray Laverne	A&S J S-F	Thornton, Illinois
*Fetzer, Kenneth D.	A&S F F-W	N. Tonawanda, New York
*Ficken, Robert H.	A&S F F-W	Meriden, Connecticut
*Fileff, Antone L	1 F	Gary, Indiana
*Findling, Donald D.	A&S So. F-W	Valparaiso, Indiana
*Fink, Russell C.	A&S So. S-F	Michigan City, Indiana
Finke, Helen Norma	A&S So. F-W	Lincoln, Illinois
Finke, Walter F., Jr.	A&S So. F	St. Louis, Missouri
Fintel, Willis P.	A&S F F	Deshler, Nebraska
Finzel, Leila Mae	A&S F F-W	Detroit, Michigan
Fischer, Ruth Ellen	A&S F F-W	Pinconning, Michigan
Fisher, Glen Cloyd	A&S U W	Valparaiso, Indiana
*Fitzgerald, Chester M.	A&S J S-F	Valparaiso, Indiana
Fitzgerald, Patricia	A&S S S-F	Valparaiso, Indiana
*Flatz, John Stephen	A&S So. S-F-W	Chesterton, Indiana
*Flatz, Paul D.	A&S F F-W	Porter, Indiana
*Fleming, Paul Nepp	A&S So. F-W	Hobart, Indiana
*Flores, Gilbert	A&S F W	East Chicago, Indiana
Flynn, Arlen J.	A&S F F-W	Gary, Indiana
*Foelber, Charles H.	A&S J F-W	Fort Wayne, Indiana
Fogus, Wayne W.	A&S F F-W	Michigan City, Indiana
Foltz, Richard F.	A&S F F-W	Burlington, Wisconsin
Forbach, Marilyn J.	A&S J F-W	New York City, New York
Forni, Sharon	A&S So. F	Chicago, Illinois
Foster, Lois Theodora	A&S F F-W	Detroit, Michigan
Frank, Calvin G.	A&S So. F-W	Lansing, Illinois
Franklin, Anne	A&S S S-F-W	Covington, Kentucky
Frantz, Kenneth B.	A&S F F-W	Milwaukee, Wisconsin
Frazier, Rosemarie	A&S F F-W	Valparaiso, Indiana
*Frazier, William A.	A&S J S-F-W	Des Plaines, Illinois
*Frederick, Melvin E.	A&S So. F-W	Valparaiso, Indiana
Frederick, Shirley E.	A&S F F-W	Princeton, Wisconsin
*Freeland, Harvey C.	A&S So. F	LaPorte, Indiana
Freeman, Betty L.	A&S F F-W	Spring Valley, Minnesota
*Freeman, Richard S.	A&S So. W	Valparaiso, Indiana
*Freet, Clawson L.	A&S So. F-W	LaPorte, Indiana
*Freitag, Arnold J.	A&S So. F-W	North Manchester, Indiana
*French, Robert P.	A&S F W	Gary, Indiana
Freuk, Eunice A.	A&S So. F-W	Joliet, Illinois
Frese, Margaret Helen	A&S U CMI	Tulsa, Oklahoma
Frey, Paul	A&S U F-W	Richmond Hill, New York
*Frick, Allen Carl	A&S So. F-W	Oak Park, Illinois
Fricke, Frederick E.	A&S So. F-W	Chicago, Illinois
Fricke, Gerald R.	A&S F F-W	Benton Harbor, Michigan
Fricke, Lois	A&S J F-W	Cicero, Illinois
*Fricke, Roger F.	A&S J S	Cicero, Illinois
*Friedemann, Harold W.	A&S So. F-W	Orange, California
*Friedland, Randall W.	A&S So. F	Chesterton, Indiana
*Friedland, Sigurd G.	A&S J F	Chesterton, Indiana
Fritsch, Robert E.	A&S So. F-W	Holgate, Ohio
Fritsche, Roland H.	A&S F F-W	Milwaukee, Wisconsin
*Fritz, James R.	A&S F F-W	Milwaukee, Wisconsin

*Fritz, Wilferd W.	A&S So. W	Monette, Missouri
Fruechtnicht, Elnor	A&S F W	Cincinnati, Ohio
Fry, Billy Wayne	A&S So. F-W	Valparaiso, Indiana
*Fry, George W., Jr.	A&S So. F. W	Chicago, Illinois
*Fuerstenau, Maynard A.	A&S F F-W	Sandy, Oregon
Fulton, Carol Lucille	A&S J F-W	Cleveland, Ohio
*Gaare, George F., Jr.	A&S J W	Arlington Heights, Illinois
*Gabriel, Robert B.	A&S J F-W	Joliet, Illinois
*Gade, Eugene T.	A&S S S	Dundee, Illinois
Gade, Naomi	A&S F F-W	Dundee, Illinois
*Gaede, Herbert L.	A&S So. F-W	Forest Park, Illinois
Gaertner, Dorothy E.	A&S S S	Grosse Pointe, Michigan
Gall, Ivalene	A&S S F-W	Webster Groves, Missouri
Galley, Donald A.	A&S F S-F-W	Ebenezer, New York
Gallian, Betty	A&S J S-F-W	Logansport, Indiana
Gardner, Cherie J.	A&S J F-W	Des Moines, Iowa
*Gareiss, Kenneth A.	A&S J S-F-W	Chicago, Illinois
Garland, George B.	A&S U S	Hobart, Indiana
*Garrett, Robert R.	L 1 F-W	Chesterton, Indiana
*Garrison, Duncan R.	A&S J S-F-W	Kingsford Heights, Indiana
*Gartner, Daniel W.	A&S F F-W	Inkster, Michigan
*Gaudian, Martin C.	A&S So. F-W	Paullina, Iowa
*Gauger, Robert T.	A&S So. F-W	Wauwatosa, Wisconsin
*Gay, Roger F.	L 2 S	New Carlisle, Indiana
Gehrke, Lois Mae	A&S So. F-W	Black Creek, Wisconsin
Geiseman, Paul W.	A&S F F-W	River Forest, Illinois
Geisler, Betty	A&S J F-W	Ft. Worth, Texas
Geist, Eugene A.	A&S So. F-W	Cincinnati, Ohio
*Geist, Frederic	A&S J F	Cincinnati, Ohio
Genrich, Delmer M.	A&S F F-W	Wausau, Wisconsin
Genson, Constance	A&S F F-W	Kankakee, Illinois
*Genuit, Luther L.	A&S J F-W	Napoleon, Ohio
Genuit, Marvelyn R.	A&S So. F-W	Napoleon, Ohio
*George, Harold L.	A&S So. S-F-W	Gary, Indiana
*George, Jack R.	A&S J F-W	Danville, Illinois
Gersmehl, Ronald L.	A&S J S	Fort Wayne, Indiana
Gerken, Dorothea	A&S J F-W	Ohio City, Ohio
Gerth, Marilyn J.	A&S J S-F-W	Aurora, Illinois
*Gesse, Paul Robert	A&S F F-W	Kouts, Indiana
*Gibson, John E.	A&S J F-W	Woodstock, Illinois
Gibson, Mary E.	A&S F F	St. Louis, Missouri
Gierke, Glen	A&S S S-F-W	Chesterton, Indiana
*Gierke, Leon R.	A&S J S-F-W	Chesterton, Indiana
*Gierke, Owen A.	A&S So. F-W	Chesterton, Indiana
Gifford, Charlotte A.	A&S F F-W	Lewiston, New York
*Gilbert, Farrell Ray	A&S F F-W	Conover, North Carolina
Gitersonke, Norma J.	A&S So. F-W	Homewood, Illinois
Gitzlaff, Marilyn J.	A&S So. F-W	Kenosha, Wisconsin
*Gland, Louis	A&S J S-F	Chesterton, Indiana
Glaess, Herman	A&S S W	St. Joseph, Michigan
*Glaser, Donald E.	A&S So. F	Palatine, Illinois
Glaser, Hazel A.	A&S F F-W	Palatine, Illinois
*Gleim, Theodore W.	A&S So. S-F	Lansing, Illinois
*Gluth, Robert G.	A&S J F	Cedar Lake, Indiana
*Gobreski, Eugene	A&S F F-W	Michigan City, Indiana
Gockel, Ruth A.	A&S So. F-W	Wilmette, Illinois
*Goddard, Paul E.	A&S So. F-W	Lombard, Illinois
Goddard, Virginia D.	A&S So. W	Lombard, Illinois
Gohr, Dorothy C.	A&S So. F-W	Kingsville, Maryland
Going, Robert E.	A&S S S-F-W	Waukegan, Illinois
*Gonlag, Harry	A&S So. F-W	Crown Point, Indiana
Goss, David H.	A&S F F-W	Eau Claire, Wisconsin

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Graebner, Ted R.	A&S F F-W	Saginaw, Michigan
Graef, Betty Ruth	A&S So. F-W	Rochester, New York
*Graef, David A.	A&S F F-W	Rochester, New York
Graham, Earl H.	A&S So. F	Valparaiso, Indiana
*Graham, Lawrence	A&S So. W	Valparaiso, Indiana
Graham, Marion LaVerne	A&S F F-W	Oak Lawn, Illinois
*Grahm, Robert D.	A&S So. S-F	Chicago, Illinois
Gray, Arthur W.	A&S So. F-W	Alhambra, California
Gray, William R.	A&S So. F-W	Chicago, Illinois
Greenler, Norma	A&S So. F-W	Toledo, Ohio
*Greising, Walter E.	A&S So. F-W	Chicago, Illinois
*Greve, Walter C., Jr.	A&S U S	Chicago, Illinois
Griebenow, Hazel L.	A&S So. F-W	Oconomowoc, Wisconsin
*Grimm, Robert A.	A&S F F-W	Macon, Missouri
*Grimske, Frank K.	A&S F F-W	Flint, Michigan
Grinnell, Laurence M.	A&S F F-W	Gary, Indiana
Grobengieser, Jeanne	A&S So. F-W	Cranford, New Jersey
*Groman, William M.	A&S So. F-W	Gary, Indiana
*Gronauer, Herbert F.	A&S F F-W	Ft. Wayne, Indiana
*Gross, Richard E.	A&S F F-W	Washington, Indiana
Grote, Lois H.	A&S S F-W	Lincoln Park, Michigan
*Groth, Ralph W.	A&S So. S-F-W	Wausau, Wisconsin
Groth, Robert R.	A&S J F-W	Manistee, Michigan
*Guba, Egon G.	A&S U W	Valparaiso, Indiana
*Halvensleben, Paul J.	A&S F F-W	Beloit, Wisconsin
Guba, Mrs. Elaine V.	A&S S F-W	Valparaiso, Indiana
*Guse, Donald T.	A&S F F-W	Watertown, Wisconsin
Gustafson, Jack E.	A&S F F-W	Valparaiso, Indiana
Gustafson, Jeanne	A&S F W	Valparaiso, Indiana
*Gustav, William H.	A&S So. S-F-W	Valparaiso, Indiana
*Gustke, Paul Eugene	A&S F F-W	Parkersburg, West Virginia
Haag, Max Edwin	A&S F F-W	Plymouth, Indiana
*Haas, William Chute	A&S F F-W	Anchorage, Alaska
Habedank, Raymond H.	A&S F F-W	Kankakee, Illinois
*Hackbert, Irvin F.	A&S S S-F	Rio, Wisconsin
Hackmann, Margaret	A&S F F-W	St. Charles, Missouri
Hadde, Lois M.	A&S F F-W	Cleveland, Ohio
*Haeger, Albert E.	A&S So. F-W	Oak Park, Illinois
*Haeger, Herman C.	A&S J S-F-W	New York City, New York
*Haertel, David G.	A&S So. F-W	Wauwatosa, Wisconsin
Haeseler, Audrey	A&S F F-W	Tonawanda, New York
Hafeman, Norman H.	A&S F F-W	Greenleaf, Wisconsin
Hagberg, Robert N.	A&S F F-W	Chicago, Illinois
Hagedorn, Roy L.	A&S So. F-W	Rocky River, Ohio
*Hageman, Charles H.	A&S S F-W	Chesterton, Indiana
Hagemeyer, Donna J.	A&S F F-W	Peoria, Illinois
Hahn, Gloria	A&S J F-W	Oak Park, Illinois
Halfpap, Albert C.	A&S So. W	Park Ridge, Illinois
Halleen, Geraldine	A&S F F-W	Detroit, Michigan
Halsted, A. Jean	A&S S S-F	Crown Point, Indiana
Haluska, Gerald	A&S F F-W	Whiting, Indiana
*Halvensleben, Paul J.	A&S F F-W	Beloit, Wisconsin
*Hamang, Lloyd Frank	A&S J F-W	Valparaiso, Indiana
Hamann, Patricia	A&S F F-W	Pekin, Illinois
Hamblen, John W.	A&S U S	LaPorte, Indiana
Hamlin, Joyce A.	A&S F F-W	Princeton, Wisconsin
Hamm, Carol Anne	A&S F F-W	Chicago, Illinois
Hamm, Eunice D.	A&S S F-W	Granite City, Illinois
*Hanak, John	A&S J S-F-W	East Chicago, Indiana
*Hanna, Harold B.	L 2 F-W	Wenatchee, Washington
Hannewald, Norman L.	A&S F F-W	Baltimore, Maryland

*Hansen, Harold A.	A&S So. S-F-W	Racine, Wisconsin
Hansen, Milo	A&S J F-W	Gibson City, Illinois
Hansen, Robert D.	A&S So. F-W	Quincy, Illinois
Hansen, Ruth H. W.	A&S So. F	Grand Mound, Iowa
Hanser, Alice L.	A&S So. F-W	Summit, New Jersey
*Hanser, Walther T.	A&S S F-W	Bogota, New Jersey
Hansing, John F.	A&S F F-W	Rockford, Illinois
Hanson, Lois M.	A&S F F-W	Detroit, Michigan
*Hanson, Robert C.	A&S So. W	Detroit, Michigan
*Hanson, Robert J.	A&S S F	LaPorte, Indiana
Haratine, Norman	A&S J F-W	Westwood, New Jersey
Hardt, Marilyn S.	A&S So. F	Chicago, Illinois
*Hardtke, William E.	A&S F W	Berwyn, Illinois
Harms, Nadine	A&S So. F-W	Houston, Texas
Harms, William G.	A&S So. F-W	Rock Island, Illinois
Harrer, Duane G.	A&S F F-W	Lockport, New York
Harris, James F.	A&S F F-W	Avilla, Indiana
*Harris, Wallace	A&S So. S	Grand Rapids, Michigan
Harrison, Betty Lee	A&S F F-W	Valparaiso, Indiana
*Harscher, Arthur C.	A&S F W	Des Moines, Iowa
Hartman, Ruth D.	A&S S S-F-W	Merrimac, Wisconsin
Hartmann, Celia	A&S So. F-W	Fort Wayne, Indiana
*Hartmann, Roy D.	A&S So. S-F-W	Meriden, Connecticut
*Harvey, Carl	A&S So. F-W	Michigan City, Indiana
Hass, Raymond W.	A&S So. F-W	Merrill, Wisconsin
Hassels, Muriel R.	A&S J F-W	Chicago, Illinois
*Hasz, Howard M.	A&S J S-F-W	Mt. Prospect, Illinois
*Haubein, Calvin C.	A&S So. F-W	Lockwood, Missouri
*Haubein, Clovis	A&S So. S-F-W	Lockwood, Missouri
Hauber, Alice May	A&S F F-W	Chesterton, Indiana
*Haupt, Arthur A.	A&S F F-W	Arlington, Wisconsin
Haupt, Raymond	A&S F F-W	Chicago, Illinois
Hause, Margie E.	A&S So. F-W	Waukesha, Wisconsin
*Haut, Clarence A.	A&S F F-W	Flint, Michigan
Hauter, Patricia	A&S S S-F-W	Quincy, Illinois
*Havlick, Paul G.	A&S J S	Valparaiso, Indiana
*Hawkins, Blair E.	A&S J F-W	Memphis, Tennessee
Hayes, Jack Eugene	A&S F F-W	Fort Wayne, Indiana
*Hazelwood, John T.	A&S So. F-W	Chicago Heights, Illinois
Hecht, Melvin E.	A&S S F-W	Chicago, Illinois
Hecker, Nina L.	A&S F F-W	Baltimore, Maryland
Heidel, Dorothy Lee	A&S F F-W	South Bend, Indiana
*Heidemann, Clarence H.	A&S J F-W	Chicago Heights, Illinois
*Heiden, Howard J.	A&S S S-F-W	Dundee, Illinois
*Heidenrich, Frederick C.	A&S F F-W	Wayne, Michigan
Heidmann, Leroy J.	A&S F F-W	Chicago, Illinois
Heidt, Malcolm	A&S So. F-W	Chicago, Illinois
*Heimbuch, Robert E.	A&S F F	Lansing, Illinois
Heine, Frederick M.	A&S F F-W	Hibbing, Minnesota
Heine, Lila Louise	A&S F F-W	Columbia City, Indiana
Heinecke, Elyse C.	A&S J F-W	Utica, Michigan
*Heinecke, Ernst A.	A&S So. F-W	Sheboygan, Wisconsin
*Heinecke, Frederick W.	A&S So. S-F-W	Sheboygan, Wisconsin
*Heinecke, Godfrey F.	A&S S F	Utica, Michigan
Heinecke, Karl G., Jr.	A&S F F-W	Sheboygan, Wisconsin
*Heinitz, Donald E.	A&S So. F-W	Detroit, Michigan
Heinrich, Chesley H.	A&S Sp. F-W	Valparaiso, Indiana
*Heise, Robert E.	A&S U F-W	Michigan City, Indiana
*Heise, Walter A.	A&S So. F-W	Detroit, Michigan
Hemmeter, Robert C.	A&S F F-W	Chicago, Illinois
Hemmingsen, Ib Bent	A&S So. S-F-W	Copenhagen, Denmark
*Hempel, Gordon J.	A&S So. F-W	Chicago, Illinois
Hempel, Marilyn	A&S J F-W	Pasadena, California

*Henderson, Harold H.	A&S So. F-W	Chicago, Illinois
*Hendrickson, Charles D.	A&S F F	Chrisney, Indiana
*Hendrix, George R.	A&S J S-F-W	Valparaiso, Indiana
Henke, Norbert L.	A&S So. F-W	Cincinnati, Ohio
*Henkel, Dorothy J.	A&S So. S-F-W	Waynesboro, Virginia
Henrichs, Irma L.	A&S So. F-W	Valparaiso, Indiana
*Hepner, Charles D.	A&S S F-W	Valparaiso, Indiana
*Hering, LeRoy Marvin	A&S J F-W	Sheboygan, Wisconsin
Herpolsheimer, Doris	A&S So. F-W	Huntington Woods, Michigan
Herpolsheimer, Paul	A&S F F-W	Huntington Woods, Michigan
Herrmann, Kenneth W.	A&S F F-W	Chicago, Illinois
Herrmann, Walter E.	A&S F F	Manistee, Michigan
Herscher, Dorothy R.	A&S So. F-W	Essex, Illinois
*Hess, Joseph John	A&S So. F-W	Kankakee, Illinois
*Hess, Warren	A&S J F-W	Chesterton, Indiana
*Hewitt, C. Edward, Jr.	L 2 F-W	Gary, Indiana
*Heyne, Eunice R.	A&S F F-W	Waconia, Minnesota
*Heyne, Milton W.	A&S J F	Hinsdale, Illinois
*Heyne, Robert P.	A&S So. F-W	Waconia, Minnesota
Hielscher, Iris	A&S So. F-W	LaPorte, Indiana
*Higer, Henry H.	A&S S S-F	Lakewood, Ohio
Hilgeman, Lois	A&S So. F-W	Teaneck, New Jersey
Hilgendorf, Mary F.	A&S So. F-W	Salem, Ohio
*Hillburg, Kenneth R.	A&S So. F-W	Racine, Wisconsin
*Hillburg, Robert E.	A&S F F-W	Racine, Wisconsin
*Hillger, Martin E.	A&S S F-W	Blue Island, Illinois
Hillmann, Joan D.	A&S F F-W	Mahopac, New York
*Hiltpold, Don W.	A&S So. F-W	Valparaiso, Indiana
Hines, Harry	A&S S F-W	Angola, Indiana
*Hinlicky, George J.	A&S So. F-W	Greenwich, Connecticut
Hinners, Dorothy Vera	A&S F F-W	Tonawanda, New York
*Hinrichs, Gerald G.	A&S U S	Indianapolis, Indiana
*Hirsch, O. Herbert	A&S F F-W	Gary, Indiana
Hitzeroth, Ralph	A&S So. F-W	Chicago, Illinois
Hodges, Robert R.	A&S So. F-W	Webster Groves, Missouri
Hoehner, Margaret R.	A&S So. S	Detroit, Michigan
Hoehn, Eleanor J.	A&S J F-W	Milwaukee, Wisconsin
*Hofbauer, William J.	A&S F F-W	Detroit, Michigan
Hofferth, Lou Ellen	A&S F F-W	Valparaiso, Indiana
Hofferth, Mabelle S.	A&S U S	Kouts, Indiana
Hoffman, Dorothy K.	A&S J F-W	Fort Wayne, Indiana
Hoffman, Eugene	A&S So. F-W	Valparaiso, Indiana
*Hoffman, George B.	A&S So. W	Gary, Indiana
Hoffman, Norma J.	A&S F F-W	Fort Wayne, Indiana
Hoffman, Robert W.	A&S F F-W	Monroe Center, Illinois
*Hoffmann, Glenn E.	A&S So. F-W	Berwyn, Illinois
Hoffmann, Joanne	A&S So. F-W	Merced, California
Hoffmeier, Delmar H.	A&S So. W	Lowden, Iowa
*Holle, Paul A.	A&S U S	Fort Wayne, Indiana
*Holm, Victor	A&S So. F-W	Sheboygan, Wisconsin
Holtrey, Gene A.	A&S F F-W	Fort Wayne, Indiana
*Holtz, Donald R.	A&S So. F-W	Elgin, Illinois
Holzman, Grace	A&S F F-W	Wausau, Wisconsin
*Homan, Mildred H.	A&S J S-F-W	Valparaiso, Indiana
*Homan, Richard F.	L 1 S-F-W	Valparaiso, Indiana
Homann, Joyce E.	A&S So. F-W	Mattoon, Illinois
Honold, Dorothy J.	A&S F F-W	Laurium, Michigan
Honold, Mary Lou	A&S F F-W	Laurium, Michigan
*Hoover, Warren R.	A&S S S-F-W	Valparaiso, Indiana
Hopp, Marilyn	A&S J S-F-W	Elgin, Illinois
*Horn, Frederick	A&S So. F-W	Valparaiso, Indiana
Horn, Margaret C.	A&S F F-W	Van Nuys, California
*Horner, James E.	A&S So. F-W	Chicago, Illinois

Horner, Richard	A&S	F	F-W	Valparaiso, Indiana
Hornig, Eugene C.	A&S	F	F	Huron, South Dakota
*Horvath, Helen M.	A&S	So.	F-W	Gary, Indiana
*Hospers, Marilyn L.	A&S	F	F-W	Tonawanda, New York
*Hospers, Werner, Jr.	A&S	F	W	Tonawanda, New York
Hostetter, Rosemary	A&S	F	W	Walkerton, Indiana
*Houran, Winfield L.	L	1	F-W	Wheaton, Illinois
*Howard, Charles P.	A&S	So.	F	Gary, Indiana
Howard, Donald E.	A&S	F	F-W	Merrill, Wisconsin
Howard, Gerald	A&S	F	F	Valparaiso, Indiana
Howard, Harry A.	A&S	J	F-W	Merrill, Wisconsin
*Howell, James W.	A&S	So.	S-F-W	Wanatah, Indiana
Hoyer, Christiane M.	A&S	U	F-W	Tsingtao, China
*Hoyer, Edna	A&S	So.	S-F-W	Topeka, Kansas
*Hoyle, Ervin P., Jr.	A&S	J	S-F-W	Kouts, Indiana
*Hrbek, Henry E.	A&S	So.	F	Seaford, New York
Huber, Lois	A&S	J	F-W	St. Louis, Missouri
Huebner, Martin F.	A&S	F	F-W	Elyria, Ohio
Huebner, Myrle J.	A&S	J	F-W	Villa Park, Illinois
Huemmrich, Dorothea	A&S	F	F-W	Stratford, Pennsylvania
Huensch, George	A&S	So.	F-W	Chicago, Illinois
*Huibregtse, Harlan H.	A&S	F	F-W	Sheboygan, Wisconsin
Hull, Joyce Ruth	A&S	F	F	Chicago, Illinois
Hunger, William A.	A&S	F	F-W	Lakewood, Ohio
Husemann, Dorothea	A&S	J	F-W	Warren, Ohio
Hvizard, Olga Amelia	A&S	U	CMI	Ft. Wayne, Indiana
Ifarth, Wilma C.	A&S	S	S-F	Pittsburgh, Pennsylvania
*Ihde, Carlton H.	A&S	So.	F-W	Chicago, Illinois
Irvine, Alice W.	A&S	S	F-W	Chester, Illinois
*Irvine, Lynn M.	A&S	U	F-W	Mechanicsburg, Pennsylvania
Isaac, Samuel	A&S	So.	F-W	New Britain, Connecticut
Isenbarger, Charlotte	A&S	F	F-W	Peru, Indiana
*Jabs, Gerhardt A.	A&S	J	S-F-W	Bristol, Connecticut
*Jacobs, James E.	A&S	S	S-F	Gary, Indiana
Jacobsen, Henry W.	A&S	F	W	Gary, Indiana
*Jacoby, Albert K.	A&S	So.	F-W	Detroit, Michigan
*Jacques, Marian L.	A&S	J	S-F	Valparaiso, Indiana
Jagels, Ruth L.	A&S	So.	F-W	Bakersfield, California
Jahns, Robert H.	A&S	F	F-W	Wausau, Wisconsin
Jahnsen, Lawrence J.	A&S	F	F-W	Chicago, Illinois
*Jakob, Wallace F.	A&S	So.	F	Grand Island, Nebraska
*Jakubovie, Walter M.	A&S	So.	S-F-W	Whiting, Indiana
Jank, Lois Harriet	A&S	J	F-W	Fairchild, Wisconsin
Jannusch, Merton L.	A&S	F	F-W	Wittenberg, Wisconsin
*Janto, Stephen D.	A&S	F	F-W	Cudahy, Wisconsin
*Janulis, Raymond	A&S	So.	F-W	Chicago, Illinois
*Janzow, Richard C.	A&S	So.	S-F-W	Valparaiso, Indiana
*Jared, Charles H.	A&S	F	F	Valparaiso, Indiana
Jarosch, Herbert G.	A&S	So.	F	Skokie, Illinois
Jass, Arline L.	A&S	J	F-W	Waukegan, Illinois
Jass, Donald U.	A&S	F	F-W	Waukegan, Illinois
*Jensen, Arthur R.	A&S	So.	S-W	Chicago, Illinois
*Jensen, Betty Jean	A&S	So.	F-W	Woonsocket, South Dakota
*Jensen, Donald A.	A&S	J	F-W	Chesterton, Indiana
Jensen, Shirley Ann	A&S	F	F-W	Detroit, Michigan
*Jensen, William M.	A&S	F	W	Denison, Iowa
Jerzyk, Wanda J.	A&S	So.	F-W	Calumet City, Illinois
Jeske, Charlotte	A&S	So.	F-W	Milwaukee, Wisconsin
Johannes, Clara	A&S	So.	F-W	Corning, Iowa
*Johnson, Ashley L.	A&S	F	F-W	Gary, Indiana
*Johnson, Clarence W.	A&S	So.	S-F-W	West Allis, Wisconsin

Johnson, Enid Lucille	A&S So. F-W	Chesterton, Indiana
*Johnson, Eugene T.	A&S J S-F-W	Champaign, Illinois
*Johnson, Karl F.	A&S So. F-W	Litchfield, Illinois
*Johnson, Marguerite E.	A&S So. F-W	Lincoln, Nebraska
Johnson, Robert J.	A&S J W	Momence, Illinois
*Johnson, William G.	A&S So. F	Valparaiso, Indiana
*Jones, Condit P.	A&S So. F	Chicago, Illinois
Jones, Donald L. L 1	F	Valparaiso, Indiana
*Jones, Harold R.	A&S So. W	Gary, Indiana
*Jones, John P.	A&S S F-W	Omaha, Nebraska
*Jopes, William V.	A&S F S	Valparaiso, Indiana
*Jordan, Frederick L.	A&S F F	Valparaiso, Indiana
Jordan, Lois Klein	A&S S F-W	Valparaiso, Indiana
*Josefovsky, Ernest E.	A&S So. F-W	Gary, Indiana
*Judge, John W.	A&S So. F-W	Detroit, Michigan
*Juech, Clarence H.	A&S So. F-W	Wauwatosa, Wisconsin
Julien, Laura Jean	A&S U S	Valparaiso, Indiana
*June, Robert H.	A&S So. F-W	Millington, Michigan
Junkhan, Betty	A&S J S-F-W	Racine, Wisconsin
*Kaeding, Robert W.	A&S J F-W	Valparaiso, Indiana
Kage, Viola E.	A&S S S-F-W	Petoskey, Michigan
Kahle, Walter C.	A&S F F	DeKalb, Illinois
*Kain, John Richard	A&S So. F-W	Valparaiso, Indiana
Kaiser, Mrs. Bonnie	A&S U S	Crown Point, Indiana
Kaiser, Genevieve F.	A&S F W	Buffalo, New York
Kaiser, Iris	A&S So. F-W	Austin, Texas
*Kamprath, Elmer H.	A&S F F-W	Alta, Iowa
Kandt, Karl W.	A&S F F-W	Lockport, New York
*Kaplan, Ted Joseph	A&S U F-W	Gary, Indiana
Karcher, Arnold C.	A&S So. F-W	Detroit, Michigan
Karstens, Esther S.	A&S So. F	Arlington Heights, Illinois
Karzel, Laurel H.	A&S So. F-W	Chicago, Illinois
Kasischke, Audrey	A&S S F-W	New Providence, Iowa
Kaufman, Gail	A&S F F-W	Clarks Summit, Pennsylvania
Kaufmann, Elizabeth	A&S F F-W	Detroit, Michigan
*Kaul, Robert W.	A&S F F-W	Thiensville, Wisconsin
*Keck, Peter	A&S S S-F-W	Lansing, Illinois
*Keene, Stephen H., Jr.	A&S So. F-W	Detroit, Michigan
*Kehe, Alfred W.	A&S So. F-W	Palatine, Illinois
Kehlet, Jytte	A&S So. F	Trustrup, Denmark
Kehlet, Helle	A&S So. F	Trustrup, Denmark
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Keil, Yvonne L.	A&S F F-W	Fish Lake Beach, Illinois
Kelavos, Lillian	A&S So. F-W	Valparaiso, Indiana
*Kelley, Winston R.	A&S So. S-F-W	La Porte, Indiana
*Kelly, John A.	A&S So. S-F	Valparaiso, Indiana
Kemp, Shirley L.	A&S So. F-W	Hellertown, Pennsylvania
*Kennedy, Wallace A.	A&S F F-W	Gary, Indiana
*Kent, Wayne E.	A&S J S-F-W	Benton, Arkansas
Keppen, Arthur A.	A&S So. F-W	Michigan City, Indiana
Kerkhoff, Joseph A.	A&S So. F-W	Broadlands, Illinois
Kerkhoff, Paul C.	A&S F F-W	Broadlands, Illinois
*Kerrigan, James F.	A&S So. F-W	Gary, Indiana
*Kers, Raymond G.	A&S S S-F-W	Detroit, Michigan
Kettner, Norman	A&S So. F-W	Buckley, Illinois
Kettring, Ruth M.	A&S S F-W	New Carlisle, Indiana
Keuer, James R.	A&S So. F-W	Chicago, Illinois
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Kieferndorf, Louise	A&S So. S-F-W	Milwaukee, Wisconsin
*Kieft, Harold H. L 2	S-F-W	Michigan City, Indiana
Kiehl, Clarine E.	A&S F F-W	Malta Bend, Missouri
Kieser, Ralph E.	A&S So. F-W	Bellevue, Ohio

Kilb, Joan M.	A&S F F-W	Milwaukee, Wisconsin
Kindler, Evelyn Holmes	A&S U F	Webster, Massachusetts
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*Kindt, Robert O.	A&S F F-W	Alpena, Michigan
King, Roger R.	L 2 F-W	Indianapolis, Indiana
Kingson, Newton S., Jr.	A&S S S-F-W	Union City, New Jersey
Kinne, Edwin E.	A&S So. F-W	Valparaiso, Indiana
*Kinney, Lorenz C.	A&S J F	Hobart, Indiana
*Kipp, Wesley G.	A&S So. W	La Porte, Indiana
Kipper, Marjorie A.	A&S F F-W	Chesterton, Indiana
Kirchmann, George W.	A&S F F-W	Kankakee, Illinois
*Kirchmann, Gerhardt P.	A&S F F-W	Sumner, Iowa
*Kirk, James D.	A&S S S-F-W	Chesterton, Indiana
*Kirschenmann, Raymond D.	A&S F F-W	Rapid City, South Dakota
*Kitch, John Robert	A&S So. F	Chicago, Illinois
Kitcheos, Lolita	A&S So. F-W	Chicago, Illinois
*Kitowski, Casimer T.	A&S F F-W	Michigan City, Indiana
Klausmeier, Ruth E.	A&S J F-W	Milwaukee, Wisconsin
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Klein, James F.	A&S F F-W	Lakewood, Ohio
Klein, Lois Audrey	A&S S S	St. Albans, L. I., New York
Kleinschmit, Elaine D.	A&S U W	Detroit, Michigan
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Klemmer, Benjamin A., Jr.	A&S F W	New Orleans, Louisiana
Klemz, Marilyn	A&S So. F	South Bend, Indiana
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Kletke, Arline Louise	A&S U F-W	Orange, California
*Klett, Gordon A.	A&S So. F-W	St. Paul, Minnesota
*Klettke, Robert K.	A&S F S-F-W	Niagara Falls, New York
*Klingerman, Arthur R.	A&S So. F-W	Plymouth, Indiana
Klinkenberg, Rosemary	A&S J F-W	Almena, Wisconsin
Klockow, William R.	A&S J F-W	Detroit, Michigan
Kloth, Paul H.	A&S So. F-W	Crown Point, Indiana
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Kluge, Mary E.	A&S So. F-W	Collinsville, Illinois
Klute, Florence M.	A&S F F-W	Niles, Michigan
*Knief, Enno A.	A&S So. F-W	Wisconsin Rapids, Wisconsin
*Knoblock, Walter H.	A&S So. F-W	Flint, Michigan
*Knoll, James R.	A&S So. F-W	Gary, Indiana
Knop, Helen Lorene	A&S J F-W	Haviland, Kansas
Knospe, Robert	A&S F F-W	Chicago, Illinois
Koch, Eva Rose	A&S J F-W	Austin, Minnesota
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Koch, William R.	A&S F F-W	Chicago, Illinois
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*Koches, Jack	A&S J F-W	South Bend, Indiana
*Koehn, Donald E.	A&S S F-W	Lansing, Illinois
*Koehn, Ralph M.	L 1 S-F-W	Nogales, Arizona
Koelling, Fern E.	A&S F F-W	Crete, Illinois
Koelling, Gordon W.	A&S J F-W	Beemer, Nebraska
*Koenig, Donald H.	A&S So. F-W	Fort Wayne, Indiana
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Koepke, Gene E.	A&S F F-W	Milwaukee, Wisconsin
Koepke, John A.	A&S F F-W	Milwaukee, Wisconsin
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Koester, Lois	A&S S F-W	Ortonville, Michigan
Koester, Marjorie	A&S F F-W	Des Moines, Iowa
Koetke, Norman A.	A&S F F-W	Valparaiso, Indiana
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Kolb, Deloris E.	A&S F F-W	Buffalo, New York
Kolke, Maxine Delores	A&S So. F-W	Portland, Oregon

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Kolterman, Janice M.	A&S J F-W	St. Paul, Minnesota
*Kopp, Doyle E.	A&S So. F-W	Valparaiso, Indiana
*Kort, Andrew L.	A&S J F	Chicago, Illinois
*Korsholm, John H.	A&S J F	Bahia Blanca, Argentina
*Kosanovich, John	A&S F W	South Bend, Indiana
*Koschmann, Arnold H.	A&S J S-F-W	Merrill, Wisconsin
*Koschmann, Norbert E.	A&S S S-F	Milwaukee, Wisconsin
Koschmann, Norma	A&S J F-W	Milwaukee, Wisconsin
Kovacs, Rose Mary	A&S F S	San Pierre, Indiana
*Kowalczyk, Edward S.	A&S J S-F-W	Gary, Indiana
*Kowitz, William T.	A&S So. F-W	Milwaukee, Wisconsin
*Kozlen, Robert	A&S F W	Elma, Iowa
Kraay, Verna	A&S F F-W	Lansing, Illinois
Kraemer, Correne D.	A&S F F-W	Neenah, Wisconsin
*Kraemer, Robert C.	A&S S F	Lakewood, Ohio
Krafft, Norman A.	A&S F F-W	Birch Run, Michigan
*Kramer, Otis G.	A&S F F-W	Oxnard, California
*Kraner, Ralph E.	A&S So. W	Valparaiso, Indiana
*Kratzke, Robert W.	A&S So. F-W	Queens Village, New York
Kratzke, Ruth L.	A&S F F-W	Queens Village, New York
*Kraus, Elizabeth C.	A&S J S-F-W	Cuyahoga Falls, Ohio
*Kraus, Lucile M.	A&S So. S-F-W	Cuyahoga Falls, Ohio
Krause, Louise	A&S S F-W	Milwaukee, Wisconsin
Krause, Ruth	A&S J F-W	Milwaukee, Wisconsin
*Krauskopf, Karl R.	A&S So. F-W	Peru, Indiana
Krautmacher, Ruth L.	A&S F F-W	Aspinwall, Pennsylvania
Kreiger, Carrie A.	A&S U S	Valparaiso, Indiana
*Kremkow, John W.	A&S So. F-W	Farmington, Michigan
Krentz, Ellen K.	A&S S F-W	La Porte, Indiana
Krentz, Erich H.	A&S S S	La Porte, Indiana
Krentz, Richard J.	A&S F S-F-W	Buffalo, New York
Kretzmann, Conrad T.	A&S So. F-W	Chicago, Illinois
*Krieger, Wm. Carl	A&S Sp. S-F-W	Valparaiso, Indiana
Kristowski, Charlotte A.	A&S F F-W	South Bend, Indiana
*Kroeter, Herbert J.	A&S So. L 1 F-W	St. Louis, Missouri
*Krstovich, George	A&S So. F-W	Gary, Indiana
*Kruck, Michael R., Jr.	A&S S S-F-W	Manitowoc, Wisconsin
Krudewig, William F.	A&S So. F-W	Arlington, California
Krueckeberg, John H.	A&S So. F-W	Mishawaka, Indiana
*Krueckeberg, Morris	A&S So. F	Decatur, Indiana
Krueger, Charlotte M.	A&S J F-W	Cicero, Illinois
Krueger, Florence R.	A&S So. F-W	Harbor Beach, Michigan
*Krueger, John E.	A&S F F-W	North Tonawanda, New York
Krueger, Joyce L.	A&S So. F-W	Clintonville, Wisconsin
Krueger, Patricia L.	A&S F F-W	Westville, Indiana
Krueger, Ralph H.	A&S So. F-W	Chicago, Illinois
Krueger, Ralph M.	A&S So. F-W	Marshfield, Wisconsin
Krueger, Rosalie M.	A&S So. F	Bayfield, Wisconsin
Kruger, Frank H.	A&S F S	Twin Falls, Idaho
Krukow, Joyce N.	A&S So. F-W	DeWitt, Iowa
*Kruse, Donald R.	A&S F F-W	Wakefield, Nebraska
*Kucenski, William A.	A&S F F-W	Scranton, Pennsylvania
Kuechle, John Wm.	A&S So. W	Wauwatosa, Wisconsin
Kuehn, Helen R.	A&S J F-W	West Hartford, Connecticut
Kuehn, Marjorie A.	A&S F F-W	Royal Oak, Michigan
*Kuenker, Ralph C.	A&S F F-W	St. Louis, Missouri
*Kuhn, Robert C.	A&S F F-W	Gary, Indiana
Kujawski, Elizabeth	A&S F F-W	Detroit, Michigan
Kupke, Dorothy	A&S F F-W	Garner, Iowa
Kupke, Harold G.	A&S U W	Garner, Iowa
Kuraitis, Irene E.	A&S So. F-W	Naugatuck, Connecticut

Kutscher, Andrew E.	A&S F F	Chesterland, Ohio
Kwetcher, Dahris S.	A&S F F-W	Detroit, Michigan
*Kwirant, Frederick	A&S F F-W	Chicago, Illinois
LaBahn, Lois Adell	A&S F F-W	Orange, California
Labas, Edward A.	A&S S F-W	Gary, Indiana
Lach, Roland	A&S F F-W	Orland Park, Illinois
LaCourse, Mary L.	A&S So. F-W	Baltimore, Maryland
LaFountain, William	A&S So. F-W	Chicago, Illinois
Lamson, Frank M.	A&S So. F-W	Port Arthur, Texas
*Landrebe, Don F.	A&S So. F-W	Chicago, Illinois
*Landstrom, Howard O.	A&S J S-F-W	Chicago, Illinois
*Lane, Rose Marie	A&S So. F-W	Gary, Indiana
Lang, Janet	A&S So. F	Palo Alto, California
Langan, James E.	A&S S F-W	Kankakee, Illinois
Lange, Mrs. Fay	A&S So. W	St. Joseph, Michigan
*Lange, Lester H.	A&S J S-F-W	Concordia, Missouri
*Lange, Nelson E.	A&S F F-W	Lansing, Illinois
*Lange, O. H.	A&S J F	Seymour, Indiana
*Lange, Robert J.	A&S J F-W	St. Joseph, Michigan
*Lange, Ronald H.	L 2 F-W	St. Joseph, Michigan
*Lange, Stanley M.	A&S F F-W	Quincy, Illinois
*Langford, Raiford L.	A&S So. F-W	Gary, Indiana
Lansdown, Jean G.	A&S J S	Valparaiso, Indiana
*Lantry, Betty	A&S So. S	Chicago, Illinois
*Lantry, Charles	A&S S S-F	Chicago, Illinois
*Larson, Clayton C.	A&S So. F-W	Parsons, Kansas
*Larson, Herman J.	A&S J F-W	Parsons, Kansas
*Lausman, Robert	A&S J S-F-W	Berrien Springs, Michigan
*Lautzenhizer, Robert	A&S U S	Hobart, Indiana
Lawler, Marguerite W.	A&S U S	Valparaiso, Indiana
*Lawrence, William W.	A&S So. F	Delta, Colorado
*Leahy, Robert D.	A&S So. F-W	Denison, Iowa
*LeClaire, Wilfred R.	A&S F F-W	Rochester, New York
Leckband, Shirley D.	A&S F F	Ocheyedan, Iowa
Leege, Josephine M.	A&S F F-W	Elkhart, Indiana
*Lehman, Robert A.	A&S So. F-W	Lorain, Ohio
Lehmann, Hazel L.	A&S F S-F-W	Milwaukee, Wisconsin
Leininger, Marcile D.	A&S J F-W	Fort Wayne, Indiana
Leininger, Robert P.	A&S F F-W	Fort Wayne, Indiana
*Lembcke, Emery E.	A&S So. F	Berwyn, Illinois
Lembke, Max Everett	A&S F F-W	Valparaiso, Indiana
Lemenager, Shirley Wm.	A&S J S	Valparaiso, Indiana
*Lemke, Earl A.	A&S J S-F-W	Kankakee, Illinois
Lenske, Florence M.	A&S F F-W	Sparta, Michigan
*Lentz, Berwin W.	A&S F W	Watertown, South Dakota
*Leonard, Paul D.	A&S So. F-W	Sterling, Illinois
*Leoschke, Floyd L.	A&S So. F-W	Lockport, New York
*Loeschke, William F.	A&S So. F-W	Lockport, New York
Leppin, Matthew H.	A&S F F-W	Blue Island, Illinois
*Lesko, Milan	A&S So. F-W	Garfield, New Jersey
Lessmann, Doris W.	A&S F F-W	Pittsburgh, Pennsylvania
*Leverenz, Robert E.	A&S J F-W	Chicago, Illinois
Lewerenz, Loise A.	A&S Sp. F-W	St. Catherines, Ontario
*Lewis, Daniel E.	L 2 F-W	La Porte, Indiana
*Lewis, Donald F.	A&S S S-F-W	Valparaiso, Indiana
*Lewis, Joseph W.	A&S S F-W	Westfield, New Jersey
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Lichtenstein, Edward J.	A&S F F-W	Gary, Indiana
Lichtfuss, Gerhardt E.	A&S F F-W	Kaukauna, Wisconsin
Liening, Elaine	A&S S F-W	Maywood, Illinois
*Liess, Ernest	A&S F F-W	Rochester, New York

*Lillie, Robert G.	A&S So.	S-F-W	Shawano, Wisconsin
*Lindberg, C. Harold	A&S S	S-F-W	Valparaiso, Indiana
*Lindberg, Victor L.	A&S F-W		Valparaiso, Indiana
Lindberg, Victoria M.	A&S J F		Valparaiso, Indiana
*Lindemann, Burdette E.	A&S So.	S-F-W	Wausau, Wisconsin
Lindenberg, William R.	A&S F F-W		Forest Park, Illinois
*Lindquist, Roger W.	A&S U W		Gary, Indiana
Lines, Roger M.	A&S F F		Valparaiso, Indiana
*Link, Donald S.	A&S U F-W		Michigan City, Indiana
Linnemeier, Doris	A&S So.	F-W	Chicago, Illinois
*Lins, Thomas N.	A&S J F		Park Ridge, Illinois
Liptak, Edith E.	A&S So.	F-W	Buffalo, New York
*Liptak, Paul M.	A&S F F-W		Buffalo, New York
Lisius, Esther F.	A&S So.	F-W	Kawkawlin, Michigan
*List, Lorenz O.	A&S So.	S-F-W	Frankenmuth, Michigan
*Loeffler, Ralph W.	A&S J S-F-W		La Porte, Indiana
*Loesch, Robert Wm.	A&S F F-W		Algona, Iowa
Lohr, Chester H.	A&S F F		Huntington, Indiana
*Longerman, Walter C.	A&S S S-F-W		Valparaiso, Indiana
Longshore, Jack L.	A&S So.	F	Valparaiso, Indiana
*Loren, Parke B.	A&S U F-W		Gary, Indiana
*Lotz, Herbert A.	A&S F F-W		Riverdale, Illinois
*Loucks, Robert G.	A&S So.	S-F-W	Detroit, Michigan
Lovekamp, Gertrude E.	A&S S F-W		Jacksonville, Illinois
*Low, Wm. H.	A&S So.	F-W	Hobart, Indiana
*Lowish, Richard L.	A&S J W		Indianapolis, Indiana
*Lucht, Renata A.	A&S So.	S-F-W	LaValle, Wisconsin
*Luckey, Cecil G.	A&S F F-W		Gary, Indiana
Luebeck, Helene M.	A&S F F-W		Chicago, Illinois
Luedtke, Robert Wm.	A&S F F-W		Detroit, Michigan
Luekens, Ruth H.	A&S S F-W		Lakewood, Ohio
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Luers, Carolyn B.	A&S J F-W		Crete, Illinois
Luers, Dolores L.	A&S F F-W		Crete, Illinois
Lueth, Joan L.	A&S F F-W		Kankakee, Illinois
Luhrs, Lillian M.	A&S J W		Brooklyn, New York
Lundgren, Dorothy L.	A&S F F-W		Valparaiso, Indiana
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Lutz, Carlton Wm.	A&S So.	F-W	Alton, Illinois
*Lux, John Walter	A&S So.	F-W	Chicago, Illinois
*Lynch, John T.	L 1 S-F-W		La Porte, Indiana
Lyon, Margaret L.	A&S F S-F-W		Hammond, Indiana
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*McCarthy, John F.	A&S J S-F-W		Gary, Indiana
McClintic, Jean M.	A&S F F-W		Spirit Lake, Iowa
*McCord, Martha W.	A&S So.	W	Valparaiso, Indiana
*McCord, Robert D.	A&S J S-F-W		Valparaiso, Indiana
*McCoy, Hub Dooley	A&S U S-F-W		Westville, Indiana
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McDonald, Arthur	A&S J S-F-W		Dearborn, Michigan
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McGill, James C.	A&S So.	F-W	Valparaiso, Indiana
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McGrath, Donald D.	A&S F W		Long Island City, New York
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McLallen, Doris A.	A&S So.	F-W	Erie, Pennsylvania
McLeod, Ila Jean	A&S So.	F-W	Hammond, Indiana
*McMahon, LeRoy B.	A&S So.	S-F-W	Valparaiso, Indiana
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Maaske, Betty Lou	A&S F F-W	Bertrand, Nebraska
Maaske, Theone L.	A&S F F-W	Bertrand, Nebraska
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Mahler, Marjorie	A&S J F-W	Westfield, New Jersey
Mahnke, Phyllis R.	A&S U W	Milwaukee, Wisconsin
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*Manchak, Albert	A&S F F	Whiting, Indiana
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Manis, Ray	A&S F W	Culver, Indiana
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Marks, Betty Mae	A&S F F-W	Chicago, Illinois
Marks, Robert T.	A&S F S-F-W	Chattanooga, Tennessee
Marovich, Donald	A&S So. F	Gary, Indiana
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Marshall, James H.	A&S So. F-W	Valparaiso, Indiana
Marshall, Ruthann	A&S F F-W	Valparaiso, Indiana
*Marshall, Thomas R.	A&S J F-W	Chesterton, Indiana
Marten, Elaine	A&S So. F-W	Chicago, Illinois
Marten, Miriam	A&S S F-W	Chicago, Illinois
Martens, Ruth M.	A&S S S-F-W	Pittsburgh, Pennsylvania
*Martin, Donald D.	A&S So. F	Benton Harbor, Michigan
Martin, Emil Karl	A&S F F-W	Yonkers, New York
*Martin, Joseph R.	A&S J S-F-W	Gary, Indiana
Martin, Patricia Ruth	A&S F F-W	Covington, Kentucky
*Martin, William F.	A&S So. F-W	Gary, Indiana
Martini, Miriam	A&S J F-W	Cleveland, Ohio
*Martinsen, Elmer W.	A&S So. F-W	La Porte, Indiana
*Marton, John Wm.	A&S F F-W	Grafton, Ohio
*Marxhausen, Reinhold	A&S J F-W	Courtland, Minnesota
*Mason, Arthur W.	A&S So. F-W	Brooklyn, New York
Mason, Audrey Shirley	A&S F F-W	Brooklyn, New York
*Mason, Bert	A&S J F-W	Valparaiso, Indiana
*Mason, Bruce R.	A&S So. F	Chicago Heights, Illinois
Masuch, Gladys L.	A&S S F-W	Detroit, Michigan
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Matheus, Jean E.	A&S J F-W	Roselle Park, New Jersey
*Mathews, Frank T.	A&S U S	Gary, Indiana
*Mathisen, Roy C.	A&S J F-W	New Orleans, Louisiana
Matthei, Harriet I.	A&S F F-W	Chicago, Illinois
Matthes, Phyllis A.	A&S J S-F-W	Detroit, Michigan
Matzdorf, William H.	A&S F F-W	Palatine, Illinois
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Mehlberg, Celeste	A&S So. F-W	Roselle, Illinois
Mehlberg, Otis	A&S So. S-F-W	Shawano, Wisconsin
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Meier, Elizabeth L.	A&S So. F-W	Oak Park, Illinois
Meier, Marilyn L.	A&S So. F-W	Beecher, Illinois
Meier, Velma	A&S S F-W	Arnold, Missouri

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Meinzen, Betty Emily	A&S S F-W	Fort Wayne, Indiana
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Meitz, Elizabeth L.	A&S F F-W	Fort Wayne, Indiana
Meitz, Walter C.	A&S So. F-W	Fort Wayne, Indiana
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*Melzer, Alfred G.	A&S U F-W	Gary, Indiana
*Merica, Stanley H.	A&S F F-W	La Porte, Indiana
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Meyer, Aline J.	A&S F F-W	Alton, Illinois
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*Meyer, Karl Wm.	A&S J S-F-W	Fort Wayne, Indiana
Meyer, Marilyn J.	A&S F F-W	St. Louis, Missouri
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Meyer, Robert E.	A&S F F-W	Bellwood, Illinois
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Meyerand, Robert P.	A&S So. F-W	Quincy, Illinois
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Miller, Eleanor L.	A&S J F-W	Indianapolis, Indiana
Miller, Helen B.	A&S J F-W	Valparaiso, Indiana
Miller, John T.	A&S J F-W	Fort Wayne, Indiana
Miller, John L.	A&S J W	Muskegon Heights, Michigan
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*Miller, Lyle F.	A&S F F-W	Roswell, New Mexico
Miller, Marian B.	A&S J F-W	Valparaiso, Indiana
*Miller, Walter R.	A&S F F-W	Beech Grove, Indiana
Miller, Wayne E.	A&S So. W	Valparaiso, Indiana
*Miller, William G.	A&S F W	Oak Park, Illinois
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*Miner, Jackson M.	A&S J S-F	Plymouth, Indiana
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Minkus, Muriel	A&S J F-W	Grand Rapids, Michigan
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Mueller, Rachel	A&S So. F-W	Taylor Ridge, Illinois
Mueller, Theodore	A&S So. F-W	Fort Wayne, Indiana
Mueller, Virginia Mae	A&S So. F-W	Appleton, Wisconsin
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Nehring, Ethel J.	A&S F F-W	Bronxville, New York
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Neir, Robert L.	A&S F F-W	Astoria, New York
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Nelson, John R.	A&S F F-W	Rochester, Indiana
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Neujahr, Betty Ann	A&S U W	Council Bluffs, Iowa
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Neumann, Lorraine G.	A&S F F-W	Lansdowne, Pennsylvania
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Newman, Dorothy	A&S F F-W	Akron, Ohio
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Nickel, Dorothea A.	A&S So. F-W	Lakewood, Ohio
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*Nielsen, Harry J.	A&S So. F	Valparaiso, Indiana
Nielsen, Walter	A&S J F-W	Decatur, Indiana
Niemann, Carolyn	A&S So. F-W	Hammond, Indiana

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*Nieting, Myron H.	A&S S F-W	Ute, Iowa
*Nieting, Wilfred R.	A&S F W	Vinton, Iowa
*Nightingale, George C.	A&S So. F-W	Oak Park, Illinois
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Nolde, Barbara A.	A&S J F-W	Richmond, Virginia
*Noonan, Leo C.	A&S F W	Valparaiso, Indiana
Nord, Dorothy	A&S J F-W	Fort Wayne, Indiana
Norvell, Marian	A&S So. F-W	Detroit, Michigan
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Novak, Lucille	A&S S F-W	Cleveland, Ohio
Novotny, Marie E.	A&S F F-W	Tonawanda, New York
Nowack, Mary Ann	A&S F F-W	Rochester, New York
*Nowak, William J. L. 3	F-W	Hammond, Indiana
*Nusser, Herbert J.	A&S F S	Copeland, Kansas
*Nygren, Bengt	A&S So. F-W	Michigan City, Indiana
Nyikos, Betty Ann	A&S J F	Gary, Indiana
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Obermoller, Donna M.	A&S F F-W	So. Sioux City, Nebraska
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Ochs, Charles S.	A&S So. F-W	Lancaster, Ohio
Ochs, Virginia A.	A&S F F-W	Lancaster, Ohio
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Ocock, Gerald F.	A&S So. F-W	Marengo, Illinois
*Odell, Donald	A&S So. W	Valparaiso, Indiana
Oesterly, Geraldine J.	A&S F F-W	California, Missouri
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Ohm, Ronald J.	A&S F F-W	Milwaukee, Wisconsin
Ohrmund, Margaret A.	A&S S F-W	Milwaukee, Wisconsin
Oldach, Audrey J.	A&S J F-W	Lockport, New York
Oltmann, Natalie J.	A&S So. F-W	Nokomis, Illinois
Omiecinski, Evelyn E.	A&S J F-W	Peekskill, New York
Omiecinski, Lorraine	A&S F F-W	Peekskill, New York
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Oppliger, Norma	A&S F F	St. Louis, Missouri
Oppman, Ernest L. 1	F-W	Gary, Indiana
*Ortner, Gene M.	A&S F W	Flint, Michigan
*Ott, Elwood W.	A&S F F-W	Beemer, Nebraska
*Otte, James R.	A&S J F	Detroit, Michigan
*Otterstein, James L.	A&S F F-W	Mishawaka, Indiana
*Oyen, Ralph A.	A&S F F-W	Corning, New York
Pahl, Carol O.	A&S So. F-W	Appleton, Wisconsin
*Pahl, Donald A.	A&S So. F-W	Appleton, Wisconsin
*Pahl, Henry L.	A&S J S-F-W	Valparaiso, Indiana
*Palmer, Forrest C.	A&S S S-F-W	Beloit, Wisconsin
Pangrac, Robert J.	A&S F F-W	Hammond, Indiana
*Pappas, Chris L. 2	F-W	Valparaiso, Indiana
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Pappas, Katharine J.	A&S U W	Valparaiso, Indiana
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Parry, Marshall E.	A&S So. S-F-W	Valparaiso, Indiana
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Paskowich, Martin	A&S J S	Toronto, Ontario
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Paulus, John E. W. A&S F F-W	Cedarburg, Wisconsin
Pautsch, Dorothy A&S So. F-W	Waupun, Wisconsin
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*Pease, Francis J. A&S F W	Corning, New York
Pedersen, Christian M. A&S F F	Virgin Islands
*Peek, Donald W. A&S J F	Gary, Indiana
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Pepler, Bonnie C. A&S F F-W	Fort Wayne, Indiana
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Peters, Betty Lou A&S So. W	Slayton, Minnesota
Peters, Carl R. A&S F W	Kankakee, Illinois
Peters, Elsie A. A&S J F-W	Cicero, Illinois
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*Peters, Herman J. A&S J F	Milwaukee, Wisconsin
*Peters, Robert Paul A&S So. F-W	Elyria, Ohio
*Peters, William A&S F F-W	Chicago, Illinois
Petersen, Joan M. A&S F F-W	Buffalo, New York
*Peterson, Charles D. A&S J S-F	Chicago, Illinois
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*Peting, Glen E. A&S J S-F-W	LaPorte, Indiana
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Piske, Charlene A&S So. F-W	Rockford, Illinois
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Prange, Audrey A&S S F-W	Harvel, Illinois
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Rath, Richard G.	A&S F F-W	Teaneck, New Jersey
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Ritter, Dolores L.	A&S S S-F-W	Richmond Hill, New York
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*Roak, Vernon J.	A&S F F-W	Chicago, Illinois
*Roberts, Paul W.	L 1 S-F-W	Lowell, Indiana
*Robertson, Norman	A&S F W	Chicago, Illinois
Robbins, Ruth H.	A&S So. F-W	Valparaiso, Indiana
*Robinson, Ferdinand M.	A&S J S-F-W	New Orleans, Louisiana
*Rochau, Alvin A. G.	L 1 F-W	Kenosha, Wisconsin
*Rodenbeck, Paul A.	A&S F F	Fort Wayne, Indiana
Roegge, Anna R.	A&S S F-W	Jacksonville, Illinois
Roeh, Kenneth J.	A&S F F-W	Sioux City, Iowa
Roepke, Lois L.	A&S So. F-W	Kingsley, Iowa
Roepstorff, Alfred W.	A&S F F-W	Knox, Indiana
*Roepstorff, Robert W.	A&S F F-W	Knox, Indiana
*Roeske, Erhardt Wm.	A&S S S-F-W	Boone Grove, Indiana
Roeske, Lois A.	A&S So. F-W	Boone Grove, Indiana
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Rolen, Caroline	A&S So. F-W	Plymouth, Michigan
Rolen, Mary L.	A&S F W	Plymouth, Michigan
Romberg, Darwin C.	A&S S F-W	Milwaukee, Wisconsin
*Rosenberg, Richard E.	L 2 F-W	Valparaiso, Indiana
*Rosenthal, Richard W.	A&S F F-W	West Allis, Wisconsin
Rosnes, Bruce H.	A&S So. F-W	Chicago, Illinois
Ross, Gerhard A.	A&S So. F-W	Fisher, Minnesota
*Ross, Robert C.	A&S F F	Pekin, Illinois
*Ross, Ronald H.	L 3 S-F-W	Valparaiso, Indiana
Ross, Ruth N.	A&S S S-F-W	Fisher, Minnesota
Rossnagel, Rev. Walter T.	A&S S F-W	Lansing, Illinois
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*Roth, Leola M.	A&S F F-W	Valparaiso, Indiana
Roth, Ruth E.	A&S So. F-W	Delray Beach, Florida
*Rothschild, Donald W.	A&S F F-W	Chicago, Illinois
Rothschild, Edward A.	A&S F F-W	Chicago, Illinois
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Rouse, Roger Paul	A&S F F-W	Arlington, Wisconsin
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Rowson, Donald W.	A&S F F-W	Algonquin, Illinois
Roykauff, Hazel M.	A&S F F-W	Eden, New York
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Rubow, Kathleen	A&S So. F-W	Eldora, Iowa
Ruch, Charles E.	A&S So. W	Momence, Illinois
*Rucker, Glen H.	A&S So. F	La Porte, Indiana
Rucklos, Lucille M.	A&S S S-F-W	Deshler, Nebraska
*Rucklos, Ralph H.	A&S So. F-W	Deshler, Nebraska
*Ruediger, Bernt A.	A&S F F-W	Long Island City, New York
*Ruhter, Robert W.	A&S F S-F-W	Kenesaw, Nebraska
Ruosch, Dolores M.	A&S F F-W	Waukegan, Illinois
*Ruppel, David	A&S So. S-F	Valparaiso, Indiana
*Rupprecht, Raymond O.	A&S So. F-W	Marengo, Illinois
*Rusak, Nick	A&S J F-W	Gary, Indiana
Rutz, Carol	A&S J F-W	Olympia Fields, Illinois
*Ryll, Erich	A&S J F-W	Burlington Beach, Indiana
Ryll, Tabea Lena	A&S F F-W	Lorain, Ohio
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Salo, Miriam E.	A&S S S-F-W	Brooklyn, New York
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Sam, Daniel	A&S F F	Gary, Indiana
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*Sanders, Charles P.	A&S U S	La Porte, Indiana
*Sanders, Eugene W.	A&S So. F-W	Valparaiso, Indiana
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Sauerman, Ruth Alice	A&S F F-W	Chicago, Illinois
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Schaeffer, Robert Ollie	A&S So. F-W	Elgin, Illinois
Schalk, Dolores N.	A&S So. F-W	Maywood, Illinois
Schauer, Warren H.	A&S So. F-W	Southbridge, Massachusetts
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*Scheiderer, Robert G.	A&S F F-W	Forestville, Connecticut
Scheidt, Donald L.	A&S So. F-W	Columbus, Indiana
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Schillings, Dorothy	A&S F F-W	Ottawa, Illinois
Schimmel, Cecelia J.	A&S S F-W	Cambria, Wisconsin
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Schirm, Dolores M.	A&S So. F-W	Appleton, Wisconsin
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*Schlake, Richard J.	A&S J F	Chicago, Illinois
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Schroeder, Edward H.	A&S F F-W	Coal Valley, Illinois
Schroeder, Elaine	A&S F F-W	Niles, Illinois
Schroeder, Geraldine	A&S So. F	Caledonia, Minnesota
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Schroeder, Werner C.	A&S So. F-W	Caledonia, Minnesota
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Schroer, Edmund A.	A&S J F-W	Hammond, Indiana
*Schroer, William F.	A&S F F-W	Rochester, Indiana
*Schubert, Carl D.	A&S So. F-W	Oak Park, Illinois
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Schuchardt, Jean O.	A&S So. F-W	Kohler, Wisconsin
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Schultz, Joan E.	A&S F F-W	Des Moines, Iowa
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Schultz, Marelyn A.	A&S So. F	Glendale, California
Schultz, Marie L.	A&S F F	Mattoon, Wisconsin
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Schulz, Arthur C.	A&S So. F-W	Buffalo, New York
Schulz, Carol Ann	A&S F W	Milwaukee, Wisconsin
Schulz, Carol Marie	A&S F F	Waukegan, Illinois
Schulz, Elroy J.	A&S F F-W	Goodhue, Minnesota
Schumacher, Barbara	A&S F F-W	La Rose, Illinois
*Schumacher, Gordon F.	A&S S F-W	Shawano, Wisconsin
Schumacher, Rae Howard	A&S F F-W	Cornell, Wisconsin
*Schumacher, Robert W.	A&S F F-W	Dundee, Illinois
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Schuster, Ruth O.	A&S F W	La Porte, Indiana
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Schwarz, Frank A.	A&S S F-W	Kenmore, New York
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Schwarzkooff, Corinne A.	A&S F F-W	Utica, Michigan
Schwenke, Raymond W.	A&S F F-W	Forest Hills, New York
Schweppe, Lois J.	A&S F F-W	Webster City, Iowa
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Schwerman, Catherine L.	A&S So. F-W	McHenry, Illinois
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Scribner, Barbara	A&S J F-W	Valparaiso, Indiana
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Seils, Elaine M.	A&S F F-W	Huntington, Indiana
Seitz, Clarence A.	A&S F W	Gary, Indiana
*Sekulovich, Milo	A&S So. F-W	Gary, Indiana
*Selof, Rowland R.	A&S F F	Dundee, Illinois
Selover, Mary	A&S F F-W	Sterling, Illinois
*Sendo, James A.	A&S S S-F-W	Valparaiso, Indiana
*Sepmeyer, Merlin Wm.	A&S So. F-W	Edwardsville, Illinois
*Severs, Walter, Jr.	A&S F W	La Porte, Indiana
*Shahan, Leslie E.	A&S J S-F-W	Chicago, Illinois
*Shauer, George	A&S J F	Valparaiso, Indiana
*Shaver, LeRoy E.	A&S J S-F-W	La Porte, Indiana
Shaw, George R.	A&S F F-W	Valparaiso, Indiana
*Shaw, Kenneth L.	A&S F F-W	Holton, Indiana
*Shear, Harold W.	A&S So. F-W	Schenectady, New York
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*Shewan, William	A&S J S-F-W	Valparaiso, Indiana
Shone, Larry R.	A&S U S-W	Hobart, Indiana
Shook, Jeannine Fay	A&S F F	Westville, Indiana
Shore, Dorothy F.	A&S J F-W	Lancaster, Pennsylvania
Shull, Elinor Kathleen	A&S F F-W	Lancaster, Ohio
Sidell, Patricia Ruth	A&S F F-W	Valparaiso, Indiana
Siebert, August J., Jr.	A&S F F-W	Batavia, New York
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Sieburg, Dorothy	A&S So. F-W	Arlington Heights, Illinois
Siegert, Joan B.	A&S F F-W	Wauwatosa, Wisconsin
Sielaff, Vivian	A&S So. F-W	Hammond, Indiana
Siem, Jean Patricia	A&S F F-W	Manning, Iowa
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*Sievers, Roland P. L. 2	S-F-W	Valparaiso, Indiana
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Sieving, Carol E.	A&S J F-W	Wheaton, Illinois
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Smith, Jeanne	A&S U S	Greenville, Ohio
Smith, Joseph A.	A&S F F	Valparaiso, Indiana
*Smith, Kenneth E.	A&S J S-F-W	North Platte, Nebraska
*Smith, Maxwell P. L. 1	F-W	Quincy, Illinois
*Smith, Oscar B., Jr. L. 2	F-W	Knox, Indiana
*Smith, Richard K.	A&S J F-W	Valparaiso, Indiana
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*Smith, Willis Wm.	A&S So. F-W	Chicago Heights, Illinois
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Sohn, Helen L.	A&S So. F-W	St. Louis, Missouri
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Sonnenburg, Audrey E.	A&S F F-W	Chicago, Illinois
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Sonstroem, Edith M.	A&S J F-W	Bristol, Connecticut
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*Spagna, Neno J.	A&S So. S-F-W	Valparaiso, Indiana
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Specht, Franklin C.	A&S J F-W	Valparaiso, Indiana
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Sprung, Norman A.	U S F F-W	Buffalo, New York
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Steffey, Vera Jean	A&S F F-W	Hammond, Indiana
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Stevens, Mary E.	A&S So. F-W	Kirkwood, Missouri
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FORMS OF BEQUEST

BECAUSE of the constantly increasing tendency on the part of our friends to provide for the growing needs of the University by bequests and the many inquiries received each year as to the proper wording thereof, there are given below forms for the convenience of those who plan to remember Valparaiso in their wills.

(GENERAL)

I give and bequeath to the Lutheran University Association, a corporation existing under the laws of the State of Indiana, and located in the City of Valparaiso, in said

State, dollars, to be used at the discretion of the Corporation of said Association.

(SPECIFIC)

I give and bequeath to the Lutheran University Association, a corporation existing under the laws of the State of Indiana, and located in the City of Valparaiso, in said

State, dollars, and direct that the income therefrom shall be used for the purposes following, that is to say:

(Here specify in detail the purposes)

As in some states a bequest for charitable purposes is void unless the will is executed at least a certain length of time (varying in different states) before the death of the testator, and is attested by two or more credible, and at the same time disinterested witnesses, it is advisable to ascertain the requirements of the law in the state in which the testator resides, and to be careful that such requirements are complied with.

